
Volume

#

R0337

BOOK A-337

INDEX DIAGRAM.

Township 2 S, Range 8 W.

6	55	4	45	4	43	2	1
54	54	44	33				
7	53	8	43	9	33	10	12
53	52	32					
15	51	11	31	10	15	14	13
51	50						
19	49	20	30	21	22	23	24
49	48						
20	47	29	30	24	27	28	25
47	46						
21	45	22	29	23	24	25	26
18	19						

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



BOOK A-337

INDEX DIAGRAM.

Township 1 N. ; Range 23 E.

	89	87	86	85	83	83
71	187	179	174	163	153	101
	186	185	178	173	162	152
70	184	177	172	160	151	101
	183	180	176	170	159	150
68	181	175	169	158	149	
	130	129	168	167	157	148
19		129	165	155	147	
		145	143	142	141	
80		138	164	154	146	
		126	126	124	140	
81		127	126	125	123	102
		113	113	112	111	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



BOOK A-337

INDEX DIAGRAM.

Township 3 N., Range 23 E.

6	5	4	3	2	1
7	8	9	10	11	12
234 232 18	234 236 17	235 276 16	235 270 15	235 263 14	236 257 13
285	284	275	269	262	255
221 19	283 20	274 21	268 22	261 23	254 24
282	281	274	267	260	253
219 30	280 29	273 28	266 27	259 26	252 25
280	279	272	265	258	251
218 31	277 32	271 33	264 34	257 35	250 36
206	205	204	203	201	200

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____ do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



BOOK A-337

INDEX DIAGRAM.

Township 3 N., Range 22 E.

6	5	4	3	2	1
7	8	9	10	11	12
301 18	316 17	316 16	315 15	314 14	314 13
363	363	353	346	339	332
362	361	352	345	338	330
300 10	360 20	351 21	344 22	337 23	330 24
359	358	350	343	336	329
299 30	357 29	349 28	342 27	335 26	328 25
356	355	348	341	334	327
298 31	354 32	347 33	340 34	333 35	326 30

Meanders Page.....

一、《说文解字》：许慎著，系统分析汉字字形、字义、字音的著作。

42

1943

[illegible]

$$\begin{aligned}
 & \text{令 } \vec{v}_1 = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}, \vec{v}_2 = \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix}, \vec{v}_3 = \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix} \text{ 为 } \mathbb{R}^3 \text{ 的一组基.} \\
 & \text{令 } \vec{w}_1 = \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}, \vec{w}_2 = \begin{pmatrix} 1 \\ 1 \\ 0 \end{pmatrix}, \vec{w}_3 = \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} \text{ 为 } \mathbb{R}^3 \text{ 的另一组基.} \\
 & \text{求从基 } \{\vec{v}_1, \vec{v}_2, \vec{v}_3\} \text{ 到基 } \{\vec{w}_1, \vec{w}_2, \vec{w}_3\} \text{ 的过渡矩阵.} \\
 & \text{解: 设过渡矩阵为 } P, \text{ 则 } (\vec{w}_1, \vec{w}_2, \vec{w}_3) = (\vec{v}_1, \vec{v}_2, \vec{v}_3)P. \\
 & \text{即 } \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 0 \\ 1 & 0 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} P. \\
 & \text{故 } P = \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 0 \\ 1 & 0 & 1 \end{pmatrix}.
 \end{aligned}$$

28

6. 1944年10月1日，在... (text is illegible)

第 15 頁

$$\frac{\partial}{\partial x} \left(\frac{\partial \phi}{\partial x} \right) + \frac{\partial}{\partial y} \left(\frac{\partial \phi}{\partial y} \right) = 0$$

44

SA 1 0 2

2. 2

4

[illegible]

6490 2555 638274

1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044

4)

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

4 2

6

[illegible]

$\frac{1}{2} \times 10^{-3}$ m

$\frac{1}{2}$ mol H_2O & $\frac{1}{2}$ H_2

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$

• 4 •

2000

$$x = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \text{and} \quad y = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$
$$p_k = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \text{for } k = 1, 2, \dots, n-1$$

9-2 6442654

[illegible]

112

42

Handwritten signature: [Illegible]

BOOK A-337

INDEX DIAGRAM.

Township 3 N., Range 20 E.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
		374 375	374 376	373 377	373 378
30	29	374 28	418 27	413 26	409 25
		417	416	412	408
31	32	33 415	34 411	35 406	36
		388	390	391	392

Meanders Page 420 to 424.

PRELIMINARY OATHS OF ASSISTANTS.

WE _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



BOOK A-337

INDEX DIAGRAM.

Township 2 N., Range 20 E.

6	5	4	3	2	1	454 436
						455
7	8	9	10	11	12	457 438
						457 458
16	17	18	15	14	13	440
						460
19	20	21	22	23	24	442
26	29	28	27	26	25	
31	32	33	34	35	36	

Meanders Page 461 to 466.

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



BOOK A-337

J.

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

South Boundary

of

Township No. 2 South of Range No. 8 West.

Of the Salt Lake Base and Meridian,

Utah.

AS SURVEYED BY

Alonzo J. Stookey, United States Deputy Surveyor,

Under his Contract No. 293, dated April 4, 1906, 190

Retracement
Survey commenced August 9, 1906, 190Retracement
Survey completed August 10, 1906, 190

High - 1 03 00 ✓
 Low 76 16 ✓
 1.79.15 ✓ nil lower in 1/2

NAMES AND DUTIES OF ASSISTANTS.

David Sharp Jr	Chapman
Ambrose Green	Chapman
Sisnel J. Stoddy	Wardman
Lincoln C. Stoddy	Tagman

Compare Description
 of Townships 2 & 3 So.
 Ranges 8 & 9 West with
 description given in
 field notes book.

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3 So. R. 8 W -
 P. L. H.

BOOK A-337

INDEX DIAGRAM.

Township....., Range.....

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, David Sharp Jr and Amrose Green
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ~~survey of~~ the retracement of the South boundary of T. 2 South of Range 8 West of the Salt Lake Base and Meridian in the State of Utah.
David Sharp Jr, Chainman.
Amrose Green, Chainman.

Subscribed and sworn to before me this 19 }
day of August, 190 6 }



Charles J. Stookey
U.S. Deputy Surveyor
Charles J. Stookey and _____
do solemnly swear that ~~we~~ ^{we} will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the ~~survey of~~ the retracement of the South boundary of T. 2 South of Range 8 West of the Salt Lake Base and Meridian in the State of Utah.
Charles J. Stookey, Moundman.
_____, Moundman.

Subscribed and sworn to before me this 19 }
day of August, 190 6 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____
_____, Axman.
_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, Lincoln A. Stookey, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ~~survey of~~ the retracement of the South boundary of T. 2 South of Range 8 West of the Salt Lake Base and Meridian in the State of Utah.
Lincoln A. Stookey, Flagman.

Subscribed and sworn to before me this 19 }
day of August, 190 6 }



Charles J. Stookey
U.S. Deputy Surveyor

Retracement of South Boundary T.2 S., R. 8 W .

Survey commenced Aug. 9, 1906, and executed with the instrument described in book "A" of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 2 and 3 S., Rs. 8 and 9 W., which is a quartzite stone 6x8x½ ins. above ground, firmly set and marked and witnessed as described by the surveyor general; latitude $40^{\circ} 36' N.$; longitude $112^{\circ} 48' 20''$. I set off $40^{\circ} 36' N.$ on lat. arc; $15^{\circ} 56' N.$ on decl. arc; and at 5 h. 05 m. p.m. l.m.t. determine with the solar a meridian, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of the cor. At 10 h. 19 m. p.m. l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Aug. 9, 1906.

Aug. 10: At 7 h. 30 m. a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set Aug. 9, on which the meridian falls 0.4 ins. west of the mark determined by the solar.

At 8 h. 05 m. a.m. l.m.t. I set off $40^{\circ} 36' N.$ on the lat. arc $15^{\circ} 45' N.$ on the decl. arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.5 ins. west of the meridian established by the Polaris observation.

Retracement of the South Boundary T. 2 S., R. 8 W.

Chains. positions for meridians respectively about $0^{\circ} 21''$ E. and $01^{\circ} 26''$ W. of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 h.05 m. a.m. is $N.17^{\circ} 25' E.$, the angle thus determined gives the mag. decl. $17^{\circ} 25' E.$

Knowing from previous surveys that the south boundary is out in course and distance; and that the corners thereon are more or less dilapidated, I proceed to retrace the same as follows:

A flag set at the cor. of secs. 4, 5, 32 and 33, being plainly visible, bears $S.89^{\circ} 50' E.$; therefore I run $S.89^{\circ} 50' E.$ on a retracement line bet. secs. 6 and 31, over level land; through dense shade scale undergrowth.

39.96 Fall $1\frac{1}{2}$ lks. S. of $\frac{1}{4}$ sec. cor.; a cobble stone $10 \times 9 \times 6$ ins., markings effaced. I destroy it and re-establish the corner in its original position as follows:

Set a quartzite stone $15 \times 6 \times 6$ ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$ ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.00 Intersect the cor. of secs. 5, 6, 31 and 32, which is a quartzite rock $12 \times 10 \times 6$ ins. as described by the surveyor general, so much disintegrated by the action of salt, with markings indistinct. I therefore destroy it and re-establish the sec. cor. in its original position as follows:

Set a quartzite stone $15 \times 8 \times 7$ ins., 10 ins. in the ground for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E. and 1 notch on W. edge; dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth

Retracement of the South Boundary T. 2 S., R. 8 W.

Chains. 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, clay; 2d rate.

No timber.

Undergrowth shadscale.

Land covered with dense undergrowth 80.00 chs.

S. 89° 50' E. on retracement line bet. secs. 5 and 32, over level land; through dense shadscale undergrowth, 3.00 Leave dense undergrowth, bears N. and S.; enter alkali land.

39.90 Fall 1 1/4 sec. cor., which is a limestone 13x9x5 ins. as described by the surveyor general. The corner being much decomposed by salt, I destroy it and re-establish the 1/4 sec. cor. in its original position as follows:

Set a sandstone 15x8x5 ins., 10 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

60.00 Enter salt grass; land covered with water about 2 ins. deep.

79.16 Intersect the cor. of secs. 4, 5, 32, and 33, which is a cobblestone 6x10x5 ins. above ground, marked and witnessed as described by the Surveyor General.

Land, level.

Soil, clay and alkali; 2d and 3d rate.

No timber.

undergrowth shadscale.

Land covered with dense undergrowth 3.00 chs.

Aug. 10, 1906.

Retracement of South Boundary of T. 2 S., R. 8 W.

For general description see notes of subdivision
of this township.

Wm. J. H. Day
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of ~~the~~ ^{the retracement}
~~of the South boundary of T. 2 South of Range 8 West of the Salt~~
~~Sake Base and Meridian in the State of Utah~~

showing the respective capacities in which they acted:

David Sharp Jr Chainman.
Ambrose Green Chainman.
Lincoln C. Stookey Moundman.
..... Moundman.
..... Axman.
..... Axman.
..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

, United States Deputy Surveyor, in surveying all

those parts or portions of the ^{retracement of the South}
~~boundary of T. 2 South of Range~~
~~8 West~~ of the ~~Salt Lake~~
~~Base and~~ meridian, ~~State~~ ^{retraced} of ~~Utah~~, which are represented
in the foregoing field notes as having been ~~surveyed~~ ^{retraced} by him and under his direction; and that said ~~survey~~ ^{retracement}
has been in all respects, to the best of our knowledge and belief, well and faithfully ~~surveyed~~ ^{retraced}, and the
corner monuments established, according to the instructions furnished by the United States Surveyor

General for *Utah*
David Sharp Jr Chainman.
Ambrose Green Chainman.
Lincoln C. Stookey Moundman.
..... Moundman.
..... Axman.
..... Axman.
..... Flagman.

Subscribed and sworn to before me this *10* }
day of *August*, 190*6* }



Lincoln C. Stookey
U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 14 day of April, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ^{retraced} ~~surveyed~~ all those parts or portions of the retracement of the South boundary of Twp. 2. South of Range 8 West of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been ^{retraced} ~~surveyed~~ by me, and under my direction; and I do further solemnly swear that all the corners of said ^{retracement} ~~survey~~ have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{retracement}.

Subscribed by said Alonzo J. Stookey, and sworn to before me
this 29th day of March, 1907



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, July 26, 1907.

The foregoing field notes of the survey of retracement of the South Boundary of Township No. 2. South, Range No. 8 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey
under his contract No. 293, dated April 14, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

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BOOK A-337

23.13.

K.
FIELD NOTES

RETRACEMENT
OF THE ~~SURVEY~~ OF THE

SUBDIVISIONS

of

Township No. 2 South of Range No. 8 West

Of the Salt Lake Base and Meridian,

Utah.

AS SURVEYED BY

Alonzo J. Stookey, United States Deputy Surveyor,

Under his Contract No. 293, dated April 14, 1906., 190

Retracement
Survey commenced August 10, 1906., 190

Retracement
Survey completed August 10, 1906., 120

Low 6.79.98 ✓

NAMES AND DUTIES OF ASSISTANTS.

David Sharp Jr.	Chairman
Ambrose Green	Chairman
Lincoln J. Storky	Wardman
Lincoln P. Storky	Flagman

BOOK A-337

INDEX DIAGRAM.

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, David Sharp Jr and Amos Green
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ^{retracement} survey of the subdivisions of T. 2 S. R. 8 W. of the Salt Lake Base and Meridian, Utah. David Sharp Jr, Chainman
Amos Green, Chainman

Subscribed and sworn to before me this 10th
day of August, 1906



Alonso J. Storker
U.S. Deputy Surveyor

WE, Lincoln R. Storker and _____
do solemnly swear that we will well and truly ^{me}perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of ^{me}our skill and ability, in the ^{retracement} survey of the subdivisions of T. 2 S. R. 8 W. of the Salt Lake Base and Meridian, Utah. Lincoln R. Storker, Moundman
_____, Moundman

Subscribed and sworn to before me this 10th
day of August, 1906



Alonso J. Storker
U.S. Deputy Surveyor

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

Subscribed and sworn to before me this _____
day of _____, 1906



I, Lincoln R. Storker, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ^{retracement} survey of the subdivisions of T. 2 S. R. 8 W. of the Salt Lake Base and Meridian, Utah. Lincoln R. Storker, Flagman

Subscribed and sworn to before me this 10th
day of August, 1906



Alonso J. Storker
U.S. Deputy Surveyor

Retracement of Subdivision of T. 2 S., R. 8 W.

Chains. Survey commenced Aug. 10, 1906; and executed with the instrument described in book "A" of this survey. Knowing from recent observations that my instrument is in adjustment, I deem it unnecessary to make further tests at this time. See book "J".

At 10 h. 05 m. a.m. I set off $40^{\circ} 36' N.$ on the lat. arc; $15^{\circ} 43' N.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 32, and 33 on the S. bdy. of the Tp, which is a white cobble stone $4 \times 9 \times 5$ ins. above ground, firmly set and marked and witnessed as described by the surveyor general. The $\frac{1}{4}$ sec. cor. bet. secs. 32 and 33 being plainly visible I run for said cor.

$N. 0^{\circ} 36' E.$ bet. secs. 32 and 33,
Over level salt grass land.

49.00 Intersect the $\frac{1}{4}$ sec. cor., which is an aspen post 3 ins. sq., 2 ft. above ground, very much decayed, and marks nearly obliterated,
I destroy the post, and its place,
Set a limestone $15 \times 8 \times 5$ ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits $18 \times 18 \times 12$ ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
I continue on same course

80.00 Intersect remains of old cor. of secs. 28, 29, 32, and 33 which is a quartzite stone $6 \times 5 \times 4$ ins. above ground, the markings of which are nearly obliterated by the action of salt on the stone; I therefore destroy the old cor., and re-establish it in its original position as follows:
Set a quartzite stone $15 \times 7 \times 5$ ins., 10 ins. in the ground for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S. and 4 notches on E. edge; dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of

Retracement of Subdivision of T. 2 S., R. 8 W.

Chains. earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali and clay; 2d and 3d rate.

No timber.

North bet. secs. 28 and 29

Over level alkali land.

40.00 Fail to find any trace of old $\frac{1}{4}$ sec. cor.,

Set a quartzite stone 18x6x5 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

45.00 Enter salt grass, bears E. and W.

80.00 Intersect the cor. of secs. 20, 21, 28, and 29, which is a quartzite stone 14x10x4 ins. mkd. as described by the surveyor general. The pits have entirely disappeared, and the marks on the stone indistinct, I therefore re-set the stone 9 ins. in the ground, at the same point; then brighten up the marks thereon; and dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali and clay; 2d and 3d rate.

No timber.

North bet. secs. 20 and 21,

Over level salt grass land.

20.00 Leave salt grass, bears NW. and S E.

40.00 Fail to find any trace of the old $\frac{1}{4}$ sec. cor.,

Set a quartzite stone 15x7x5 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

80.00 Intersect the cor. of secs. 16, 17, 20, and 21, which is a

Retracement of Subdivision of T. 2 S., R. 8 W.

Chains. quartzite stone about 4x8x5 ins. above ground; the markings indistinct on account of the action of salt on the stone; and all trace of the pits has disappeared. I destroy the old cor., and in its place Set a sandstone 15x8x7 ins., 10 ins. in the ground, for re-established cor. of secs. 16, 17, 30, and 21, marked 3 notches on S. and 4 notches on E. edge; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, alkali and clay; 2d and 3d rate. No timber. Aug. 10: At this cor. I set off $15^{\circ} 41' N.$ on decl. arc; and at 0 h. 05 m. p. m. l. m. t. observe the sun on the meridian; the resulting lat. is $40^{\circ} 38' N.$

North bet. secs. 16 and 17,
Over almost level alkali land.

40.00 The old $\frac{1}{2}$ sec. cor., which is a limestone about 10x6x5 ins. I found lying loose on the ground; the marks are nearly obliterated. I destroy the old $\frac{1}{2}$ sec. cor. and re-establish it at the same point as follows:
Set a quartzite stone 15x7x5 ins., 10 ins. in the ground for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 After diligent search I fail to find any trace of the old cor. of secs. 8, 9, 16, and 17,
Set a limestone 15x7x6 ins., 10 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, marked with 4 notches on S. and 4 notches on E. edges; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Retracement of Subdivision of T. 2 S., R. 8 W.

Chains.

Soil, alkali and clay; 3d rate.

No timber.

S. $89^{\circ} 48'$ E. on random line bet. secs. 9 and 16

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line 28 lks. S. of the cor. of secs. 9, 10, 15, and 16, which is a quartzite stone about 6x7x5 ins. above ground, as described by the surveyor general. The marks on the stone are almost obliterated, and the pits have disappeared. I destroy all traces of the old cor., and re-established the cor. in the same place as follows:

Set a quartzite stone 15x8x5 ins., 10 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, marked with 3 notches on E. and 4 notches on S. edge; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Thence I run

West on true line bet. secs. 9 and 16,

Over almost level alkali land.

18.00 Stream of slightly brackish water, 6 lks. wide, $2\frac{1}{2}$ ft. deep, drains N.

39.99 Fail to find any trace of old $\frac{1}{4}$ sec. cor.

Set a quartzite stone 15x7x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

69.50 Dry bed of slough; 15 lks. wide, $2\frac{1}{2}$ ft. deep, drains N.

79.98 The cor. of secs. 8, 9, 16, and 17.

Land, almost level.

Soil, alkali and clay; 3d rate.

No timber.

Retracement of Subdivision of T. 2 S., R. 8 W.

Chains. From the cor. of secs. 9, 10, 15, and 16, I run
 North bet. secs. 9 and 10,
 Over level, alkali land.

24.00 Enter salt grass meadow, bears E. and W.

28.60 Stream of brackish water, 6 lks. wide, 2 ft. deep, drains
 N. 55° E.

40.00 Set a quartzite stone 15x7x5 ins., 10 ins. in the ground
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12
 ins. N. and S. of stone 3 ft. dist.; and raise a mound
 of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 I fail to find any trace of the old $\frac{1}{4}$ sec. cor.

52.00 Stream of brackish water, 5 lks. wide, $1\frac{1}{2}$ ft. deep, drains
 N. 30° E.; leave salt grass, bears N. 30° E. and S. 30°
 W. Enter alkali land.

80.00 I fail to find any trace of the old cor. of secs. 3, 4, 9,
 and 10,
 Set a limestone 18x7x5 ins., 12 ins. in the ground, for
 cor. of secs. 3, 4, 9, and 10, marked with 3 notches on
 E. and 5 notches on S. edge; dig pits 18x18x12 ins. in
 each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft.
 base, 2 ft. high W. of cor.
 Land, level.
 Soil, alkali and clay; 2d and 3d rate.
 No timber.

S. 89° 45' E. on random line bet. secs. 3 and 10,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the cor. of secs. 2, 3, 10, and 11, which is a
 quartzite stone 8x7x6 ins. above ground as described
 by the surveyor general. The marks on this stone are
 becoming almost obliterated and the pits have disap-
 peared. I re-mark the stone with 5 notches on S. and
 2 notches on E. edge; dig pits 18x18x12 ins. in each

Retracement of Subdivision of T. 2 S., R. 8 W.

Chains. sec. 5 $\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base
2 ft. high W. of cor.

Thence I run

N. 89° 45' W. on true line bet. secs. 3 and 10

Over level alkali land and salt grass.

33.70 Slough, 15 lks. wide, drains N. 20° E.

40.00 Set quartzite stone 12x8x7 ins., 8 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12
ins. E. and W. of stone 3 ft. dist.; and raise a mound of
earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. No trace of
old $\frac{1}{4}$ sec. cor.

52.00 Slough 18 lks. wide, drains N. 25° E.

62.00 Dry bed of slough drains N. 35° E. Leave salt grass.

80.00 the cor. of secs. 3, 4, 9, and 10,

land, level,

Soil, alkali and clay; 3d rate.

No timber.

Aug. 10, 1906.

For general description see notes of the subdivi-
sion of this township.

Alfred J. Stoddy
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by George J. Storker
 _____, United States Deputy Surveyor, to assist in running, measuring, and
^{retracement}
 marking the lines and corners described in the foregoing field notes of the ~~survey~~ ^{retracement} of the subdivisions
 of T.S. of R. & M. of the Salt Lake Base and Meridian
 showing the respective capacities in which they acted:

David Sharp Jr. Chairman.
Embridge Spencer Chairman.
Lionel J. Storker Moundman.
 Moundman.
 Arman.
 Arman.
Lincoln A. Storker Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted George J. Storker
 _____, United States Deputy Surveyor, in ^{retracing} ~~surveying~~ all
 those parts or portions of the subdivisions of T.S. of R. & M.

_____ of the Salt Lake
Base and meridian, State of Utah, which are represented
^{retraced}
 in the foregoing field notes as having been ~~surveyed~~ ^{retraced} by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully ~~surveyed~~ ^{retraced}, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah

David Sharp Jr. Chairman.
Embridge Spencer Chairman.
Lionel J. Storker Moundman.
 Moundman.
 Arman.
 Arman.
Lincoln A. Storker Flagman.

Subscribed and sworn to before me this 10
 day of August, 1906 }



George J. Storker
 U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonso J. Stoekey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of the 11th day of March, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ~~retrace~~ all those parts or portions of the Subdivisional of Salt Lake

Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been ~~surveyed~~ ^{retraced} by me, and under my direction; and I do further solemnly swear that all the corners of said ~~survey~~ ^{retrace} have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{retrace} retracement.

Subscribed by said Alonso J. Stoekey, and sworn to before me,

this 29th day of March, 1907

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ONALGO
OOOOO

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, July 26, 1907.

The foregoing field notes of the ~~survey~~ of the retracement of the Subdivisional lines of Township No. 2 South, Range No. 8 West of the Salt Lake Base and Meridian, Utah.

Executed by Alonso J. Stoekey, dated April 14, 1906, having been corrected and the necessary corrections and explanation made, the said field notes, and the retracement, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in Utah, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-337

L.

FIELD NOTES

OF THE SURVEY OF THE

S.U.B.D.I V I S I O N S

of

TOWNSHIP No. 2 SOUTH OF RANGE No. 8 WEST.

of the SALT LAKE BASE AND Meridian,

UTAH

AS SURVEYED BY

ALONZO J. STOOKEY, United States Deputy Surveyor,

Under his Contract No. 293, dated April 14, 1906, 190

Survey commenced August 11, 1906, 190

Survey completed August 11, 1906, 190

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NAMES AND DUTIES OF ASSISTANTS.

David Sharp Jr	Chapman
Amrose Green	Chapman
Samuel J. Storker	Wardman
Lincoln A. Storker	Flagman

Box A-337

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PRELIMINARY OATHS OF ASSISTANTS.

WE, David Sharp Jr and Ambrose Green
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivisions of Twp. 2 South of Range 8 West of the Salt Lake Base and Meridian in the State of Utah

David Sharp Jr, Chainman.
Ambrose Green, Chainman.

Subscribed and sworn to before me this 11 day of August, 190 6.



George J. Stookey
U.S. Deputy Surveyor

WE, George J. Stookey and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ^{me} to the best of ^{my} skill and ability, in the survey of the subdivisions of Twp. 2 South of Range 8 West of the Salt Lake Base and Meridian in the State of Utah

George J. Stookey, Moundman
Moundman

Subscribed and sworn to before me this 11 day of August, 190 6.



George J. Stookey
U.S. Deputy Surveyor

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____ Axman

_____ Axman

Subscribed and sworn to before me this _____ day of _____, 190 _____



I, Lincoln A. Stookey, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivisions of Twp. 2 South of Range 8 West of the Salt Lake Base and Meridian in the State of Utah

Lincoln A. Stookey, Flagman

Subscribed and sworn to before me this 11 day of August, 190 6.



George J. Stookey
U.S. Deputy Surveyor

Subdivision of T. 2 S., R. 8 W.

Chains. Survey commenced August 11, 1906, and executed with the instrument described in book "A" of this survey. From recent observations made at the beginning of the retracement of the south boundary of this township, and recorded in book "J" of this survey, I know my instrument to be in adjustment, and deem it unnecessary to make further test at this time.

At 8 h.05 m.a.m.1.m.t.I set off $40^{\circ} 40' N.$ on lat.arc; $15^{\circ} 27' N.$ on decl.arc; and determine a meridian with the solar at the cor.of secs.3,4,9, and 10, as re-established by myself, and heretofore described, Thence I run

North on a random line bet.secs.3 and 4,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.68 Intersect N.bdy.of Tp.20 lks.E.of the cor.of secs.3,4, 33 and 34, as re-established by myself and heretofore described.

Thence I run

$S.0^{\circ}09'E.$ on a true line bet.secs.3 and 4, Over level alkali land.

39.68 Set a limestone $15 \times 7 \times 5$ ins., 10 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits $18 \times 18 \times 12$ ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.of cor.

79.68 The cor.of secs.3,4,9, and 10.

Land, level.

Soil, alkali and clay; 3d rate.

No timber.

From the cor.of secs.8,9,16, and 17, as re-established by myself, and heretofore described, I run

North bet.secs.8 and 9,

over level land.

Subdivision of T. 2 S., R. 8 W.

Chains.	
4.80	Bed of stream 6 lks. wide 3 ft. deep, almost dry, drains N. 40° E.
40.00	Set a limestone 12x8x6 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
80.00	Set a quartzite stone 15x6x6 ins., 10 ins. in the ground for cor. of secs. 4, 5, 8, and 9, marked with 5 notches on S. and 4 notches on E. edge; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali and clay; 2d and 3d rate.
	No timber.
	East on a random line bet. secs. 4 and 9
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect N. and S. line 14 lks. N. of the cor. of secs. 3, 4, 9, and 10,
	Thence I run
	N. 89° 54' W. on true line bet. secs. 4 and 9,
	Over level land.
39.93	Set a limestone 15x7x6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
48.00	Dry bed of slough 50 lks. wide, drains N. 5° E.
79.86	The cor. of secs. 4, 5, 8, and 9.
	Land, level.
	Soil alkali and clay; 2d and 3d rate.
	No timber.

Subdivision of T. 2 S., R. 8 W.

Chains. North on a random line bet.secs.4 and 5,
 40.00 Set temp. $\frac{1}{2}$ sec.cor.
 79.61 Intersect N.bdy.of Tp.37 lks.E.of the cor.of secs.4,5,
 32 and 33, as re-established by myself and hereto-
 fore described. Thence I run
 S.0°16'E.on a true line bet.secs.4 and 5,
 over level alkali land.
 30.00 Leave alkali land; enter dense greasewood undergrowth,
 bears N. and W.
 39.61 Set a quartzite stone 15x10x4 ins., 10 ins.in the
 ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; dig pits
 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise
 a mound of earth 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.high W.of cor.
 59.00 Leave dense undergrowth, bears N.45° E. and S.45° W.
 Enter alkali land.
 79.61 The cor.of secs.4,5,8, and 9.
 Land, level.
 Soil, alkali and clay; 2d and 3d rate.
 No timber.
 Undergrowth greasewood.
 Land covered with dense undergrowth 29.00 chs.
 Aug.11: At this cor.I set off 15° 24'N.on the decl.arc;
 and at 0 h.05 p.m.1.m.t.observe the sun on the merid-
 ian; the resulting lat.is 40° 40'N.

Aug.11: At 3 h. 05 m.p.m.1.m.t.I set off 40° 36'N.on
 the lat.arc; 15° 22'N.on the decl.arc, and determine
 a meridian with the solar at the cor.of secs.5,6,31,
 and 32 on the S.bdy.of the Tp., as re-established by
 myself and heretofore described.

Thence I run, on sectional guide meridian,

North, bet.secs.31 and 32,

Over level land; through dense shadscale undergrowth.

Subdivision of T. 2 S., R. 8 W.

- Chains. $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.of cor.
- 45.00 Leave dense undergrowth, bears N.45° W. and S.45° E. Enter alkali land.
- 80.00 Set a quartzite stone 15x8x7 ins., 10 ins.in the ground for cor.of secs.29,30,31, and 32, marked with 1 notch on S. and 5 notches on E.edge; dig pits 18x18x12 ins. ~~maxims~~ in each sec. $5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.
- Land, level.
- Soil, clay and alkali; 3d rate.
- No timber.
- Undergrowth shadscale.
- Land covered with dense undergrowth 45.00 chs.
-
- 40.00 S.89° 50'E.on a random line bet.secs.29 and 32, Set temp. $\frac{1}{4}$ sec.cor.
- 80.00 Intersect N. and S.line 18 $\frac{1}{2}$ lks.S.of the cor.of secs. 28,29,32, and 33, as re-established by myself, and heretofore described. Thence I run
- N.89° 58'W.on a true line bet.secs.29 and 32, Over level alkali land.
- 40.00 Set a sandstone 15x7x5 ins., 10 ins.in the ground,for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.
- 42.00 Enter salt grass, bears N. and S.
- 52.00 Leave salt grass, bears N. and S.; continue over alkali land.
- 80.00 The cor.of secs.29,30,31, and 32.
- Land, level.
- Soil, alkali and clay; 2d and 3d rate.

Subdivision of T. 2 S., R. 8 W.

Chains. No timber.

N. $89^{\circ} 50'$ W. on a random line bet. secs. 30 and 31,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect W. bdy. of Tp. 4 lks. S. of the cor. of secs. 25, 30,
 31, and 36, which is a quartzite stone $5 \times 7 \times 6$ ins.
 above ground, firmly set and marked and witnessed as
 described by the surveyor general.
 Thence I run
 S. $89^{\circ} 48'$ E. on a true line bet. secs. 30 and 31,
 Over level land; through dense shadscale undergrowth.
 39.98 Set a sandstone $15 \times 7 \times 5$ ins., 10 ins. in the ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$
 ins. E. and W. of stone 3 ft. dist.; and raise a mound
 of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 71.00 Leave dense undergrowth, bears N. and S.; enter alkali
 land.
 79.98 The cor. of secs. 29, 30, 31, and 32.
 Land, level.
 Soil, clay and alkali; 2d and 3d rate.
 No timber.
 Undergrowth shadscale.
 Land covered with dense undergrowth 71.00 chs.

N. $0^{\circ} 01'$ W. bet. secs. 29 and 30,
 Over level alkali land.
 40.00 Set a sandstone $15 \times 7 \times 5$ ins., 10 ins. in the ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits $18 \times 18 \times 12$
 ins. N. and S. of stone 3 ft. dist.; and raise a mound
 of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 42.50 Leave alkali land, bears N. 50° E. and S. 50° W.
 Enter dense greasewood undergrowth.

Leave dense undergrowth, bears N. 29° W. and S. 29° E.

Subdivision of T. 2 S. R. 8 W.

Chains.
80.00

Set a quartzite stone 15x8x6 ins., 10 ins. in the ground for cor. of secs. 19, 20, 29, and 30, marked with 2 notches on S. and 5 notches on E. edge; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali and clay; 3d rate.

No timber.

Undergrowth greasewood.

Land covered with dense undergrowth 15.50 chs.

Aug. 11, 1906.

Aug. 12: At 8 h. 05 m. a. m. l. m. t. I set off $40^{\circ} 38' N.$ on lat. arc, $15^{\circ} 09' N.$ on decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30. Thence I run

$S. 89^{\circ} 58' E.$ on a random line bet. secs. 20 and 29,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line 4 lks. S. of the cor. of secs. 20, 21, 28, and 29, as re-established by me and heretofore described.

Thence I run

West on a true line bet. secs. 20 and 29,

Over level alkali land.

39.98 Set a lava stone 15x8x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

43.00 Enter salt grass, bears N. and S.

48.00 Leave salt grass, bears N. and S.

79.96 The cor. of secs. 19, 20, 29, and 30.

Land, level.

Soil, alkali and clay; 3d rate.

Subdivision of T. 2 S., R. 8 W.

Chains. No timber.

N. $89^{\circ} 48' W.$ on a random line bet. secs. 19 and 30,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect W. bdy. of Tp. 11 lks. N. of the cor. of secs. 19,
 24, 25 and 30, which is a quartzite stone $5 \times 7 \times 5$ ins.
 above ground, firmly set and marked and witnessed as
 described by the surveyor general.
 Thence I run
 S. $89^{\circ} 53' E.$ on a true line bet. secs. 19 and 30,
 Over level land; through dense shadscale and grease-
 wood undergrowth.
 40.00 Set a sandstone $15 \times 7 \times 6$ ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$
 ins. E. and W. of stone 3 ft. dist.; and raise a mound
 of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 66.30 Leave dense undergrowth, bears N. and S.; enter alkali
 land.
 80.00 The cor. of secs. 19, 20, 29, and 30.
 Land, level.
 Soil, alkali and clay; 2d and 3d rate.
 No timber.
 Undergrowth shadscale and greasewood.
 Land covered with dense undergrowth 66.30 chs.

N. $0^{\circ} 01' W.$ bet. secs. 19 and 20,
 Over level alkali land.
 40.00 Set a sandstone $15 \times 7 \times 6$ ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits $18 \times 18 \times 12$
 ins. N. and S. of stone 3 ft. dist.; and raise a mound
 of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.00 Set a sandstone $15 \times 8 \times 7$ ins., 10 ins. in the ground for
 cor. of secs. 17, 18, 19, and 20, marked with 3 notches

subdivision of T. 2 S.. R. 8 W.

Chains. on S. and 5 notches on E. edge; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, level.
Soil, alkali; 3d rate.
No timber.

East on a random line bet. secs. 17 and 20,
40.00 Set temp. $\frac{1}{4}$ sec. cor..
79.90 Intersect N. and S. line 14 lks. S. of the cor. of secs. 16, 17, 20, and 21, as re-established by myself and heretofore described,
Thence I run
S. $89^{\circ} 54'$ W. on a true line bet. secs. 17 and 20,
Over level alkali land.
8.00 Slough of salty water, 10 lks. wide, drains N. 20° E.
39.95 Set a lava stone 15x8x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
79.90 The cor. of secs. 17, 18, 19, and 20.
Land, level.
Soil, alkali and clay; 2d and 3d rate.
No timber.

N. $89^{\circ} 53'$ W. on a random line bet. secs. 18 and 19,
40.00 Set temp. $\frac{1}{4}$ sec. cor..
80.02 Intersect W. bdy. of Tp. 20 lks. N. of cor. of secs. 17, 18, 19 and 24, which is a quartzite stone 5x6x5 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

-9-

Subdivision of T. 2 S.. R. 8 W.

Chains. Thence I run

N.89° 58'E. on a true line bet. secs. 18 and 19,
Over level alkali land.

15.00 Dry bed of slough 20 lks. wide, drains N.30° E.

17.00 Leave alkali land, bears N.30° E. and S.30° W.

Enter dense shadscale and greasewood undergrowth.

26.00 Leave dense undergrowth, bears N.40° W. and S.40° E.

Enter alkali land.

40.01 Set a sandstone 15x8x6 ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12
ins. E. and W. of stone 3 ft. dist.; and raise a mound
of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.02 The cor. of secs. 17, 18, 19, and 20.

Land level.

Soil, alkali and clay; 2d and 3d rate.

No timber.

Undergrowth shadscale and greasewood.

Land covered with dense undergrowth 9.00 chs.

N.0°01'W. bet. secs. 17 and 18,

Over almost level alkali land.

3.50 Leave alkali land, bears N.65° W. and S.65° E.

Enter dense shadscale undergrowth.

40.00 Set a limestone 15x8x6 ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12
ins. N. and S. of stone 3 ft. dist.; and raise a mound
of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set a sandstone 15x7x6 ins., 10 ins. in the ground, for
cor. of secs. 7, 8, 17, and 18, marked with 4 notches on
S. and 5 notches on N. edge; dig pits 18x18x12 ins. in
each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4
ft. base, 2 ft. high W. of cor.

Land, almost level.

Soil, alkali and clay; 2d and 3d rate.

9
71.02

7650
350

Subdivision of T. 2 S., R. 8 W.

Chains. No timber.

Undergrowth shadscale.

Land covered with dense undergrowth 76.50 chs.

Aug. 12: At this cor. I set off $15^{\circ} 06' N.$ on decl. arc; and at 0 h. 05 m. p. m. 1 m. t. observe the sun on the meridian; the resulting lat. is $40^{\circ} 39' N.$

N. $89^{\circ} 54' E.$ on a random line bet. secs. 8 and 17,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 11 lks. N. of the cor. of secs. 8, 9, 16, and 17, as re-established by myself and heretofore described. Thence I run

S. $89^{\circ} 59' W.$ on a true line bet. secs. 8 and 17, over almost level alkali land.

3.00 Slough, $2\frac{1}{2}$ ft. deep, 30 lks. wide, with small stream of saline water, drains N. $20^{\circ} E.$

39.94 Set a quartzite stone $15 \times 8 \times 5$ ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$ ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

59.50 Leave alkali land, bears N. $15^{\circ} E.$ and S. $15^{\circ} W.$; Enter dense shadscale undergrowth.

79.88 The cor. of secs. 7, 8, 17, and 18.

Land, almost level.

Soil, alkali and clay; 2d and 3d rate.

No timber.

Undergrowth shadscale.

Land covered with dense undergrowth 27.38 chs.

S. $89^{\circ} 58' W.$ on a random line bet. secs. 7 and 18,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect W. bdy. of Tp. 41 lks. N. of the cor. of secs. 7,

Subdivision of T 2 S R 8 W

Chains. 12, 13, and 18, which is a quartzite stone 5x8x7 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

Thence I run

N. 89° 40' E. on a true line bet. secs. 7 and 18, Over level alkali land.

40.04. Set a sandstone 15x7x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

41.00 Dry bed of slough, $1\frac{1}{2}$ ft. deep, 15 lks. wide, drains N. 15° E.

60.04 Leave alkali land, bears N. and S.; begin very gentle ascent, through dense greasewood undergrowth.

66.70 Top of ascent, bears N. 35° W. and S. 35° E.

80.04 The cor. of secs. 7, 8, 17, and 18.

Land, level, or very gently rolling.

Soil, alkali and clay; 2d and 3d rate.

No timber.

Undergrowth greasewood.

Land covered with dense undergrowth 20.00 chs.

N. 0° 01' W. bet. secs. 7 and 8,

Over level land; through dense shade scale undergrowth.

40.00 Set a quartzite stone 15x6x6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set a quartzite stone 15x6x6 ins., 10 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on S. and E. edges; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land level.

2500
6004

Subdivision of T 2 S R 2 W

Chains. Soil, clay; 2d rate.

No timber.

Undergrowth shadscale.

Land covered with dense undergrowth 80.00 chs.

N.89° 59'E. on a random line bet. secs. 5 and 8,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line 11 lks. S. of the cor. of secs.
4, 5, 8, and 9,

Thence I run,

S.89° 54'W. on a true line bet. secs. 5 and 8,

Over almost level alkali land.

14.00 Leave alkali land, bears N. and S.

Enter dense shadscale undergrowth.

39.95 Set a sandstone 15x7x5 ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins.
3 ft. dist.
E. and W. of stone; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high N. of cor.

79.90 The cor. of secs. 5, 6, 7, and 8.

Land almost level.

Soil, alkali and clay; 2d and 3d rate.

No timber.

Undergrowth shadscale.

Land covered with dense undergrowth 65.90 chs.

S.89° 40'W. on a random line bet. secs. 6 and 7,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect W. bdy. of Tp. 18 lks. S. of the cor. of secs. 1,
6, 7, and 12, which is a limestone 5x8x6 ins. above

ground, firmly set, and marked and witnessed as de-
scribed by the surveyor general.

Thence I run

N.89° 48'E. on a true line bet. secs. 6 and 7,

Subdivision of T. 2 S.. R. 8 W.

Chains. Over level alkali land.

40.06 Set a sandstone 15x7x5 ins., 10 ins.in the ground., for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.

55.50 Dry bed of slough 50 lks.wide, drains N.; enter dense shadscale undergrowth and begin very gentle ascent.

62.40 Top of ascent, bears N. and S.
Descend.

64.50 Foot of descent, bears N. and S.

80.06 The cor.of secs.5,6,7, and 8.
Land, level or gently rolling.
Soil, alkali and clay; 2d and 3d rate.
No timber.
Undergrowth shadscale.
Land covered with dense undergrowth 24.56 chs.

N.0°01'W.on a random line bet.secs.5 and 6,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.85 Intersect the N.bdy.of the Tp.16 lks.E.of the cor.of secs.5,6,31, and 32, as re-established by myself and heretofore described.
Thence I run
S.0°08'E.on a true line bet.secs.5 and 6,
Over almost level alkali land.

32.00 Leave alkali land, bears E. and W.; enter dense shadscale undergrowth.

39.85 Set a quartzite stone 15x10x4 ins., 10 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.of cor.

79.85 The cor.of secs.5,6,7, and 8.
Land, almost level.

Subdivision of T. 2 S., R. 8 W.

Soil, alkali and clay; 3d rate.

No timber.

Undergrowth shadscale.

Land covered with dense undergrowth 47.85 chs.

Aug. 12, 1906.

General Description.

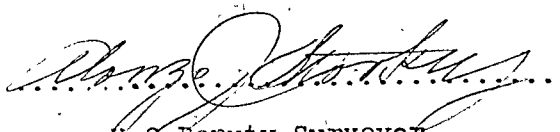
The portion of this township surveyed by me is almost level, a sand ridge about 15 ft. high in the north-western portion is the only elevation.

The soil is alkali, clay, and sand; and is mainly arid.

There is a good supply of slightly brackish water in the eastern part, but no land fit for cultivation available to which the water could be conducted for irrigation purposes.

A portion of the land produces dense shadscale and greasewood undergrowth; but the bulk of it is alkali land producing but little vegetation, except salt grass in the parts near the water courses.

There are no springs, no timber, no minerals, and no settlers on the portion of this township surveyed by me.


U.S. Deputy Surveyor.

Note:

There being no notary public, or other officer, other than myself, authorized to administer oaths, within a reasonable distance at the beginning or ending of the surveys embraced in this contract; therefore, in order to save time and expense, I administer the pre-

Subdivision of T. 2 S., R. 8 W.

liminary and final oaths myself.

Alonzo J. Storkes
 U.S. Deputy Surveyor.

Boundaries of T. 2 S., R. 8 W.

Latitudes, Departures and Closing Errors.

Line Designated	True	Dist.	Latitudes	Departures.		
	Bearing		N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
Subdivisions:						
Bet. secs. 32 & 33	N. 0° 36' E.	80.00	80.00	.....	.84	.....
Bet. secs. 28 & 29	North	80.00	80.00	.....	.....	.....
Bet. secs. 20 & 21	North	80.00	80.00	.....	.....	.....
Bet. secs. 16 & 17	North	80.00	80.00	.....	.....	.....
Bet. secs. 9 & 16	East	79.98	.....	.....	79.98	.....
Bet. secs. 9 & 10	North	80.00	80.00	.....	.....	.....
Bet. secs. 3 & 10	S. 89° 45' E.	80.00	.....	.35	80.00	.....
Bet. secs. 2 & 3	N. 0° 11' W.	79.80	79.80	.....	.....	.25
North Boundary	N. 89° 47' W.	319.65	1.21	.....	.....	319.64
Guide Meridian	South	480.00	.....	480.00	.....	.....
South Boundary	S. 89° 50' E.	159.16	.....	.46	159.16	.....
Convergency						.26
T o t a l s			481.01	480.81	319.98	320.15
			<u>480.81</u>		<u>319.98</u>	
Error in lat. and dep.			.20			.17

Alonzo J. Storkes
 U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of the *3rd* *1/4* *Section* *Range* *8 West* *of the 4th* *Range* *Base* *and* *Meridian* *in the State of Utah*
 showing the respective capacities in which they acted:

Chairman.

Chairman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

United States Deputy Surveyor, in surveying all

the parts or portions of the *Section* *Range* *8 West* *of the 4th* *Range* *Base* *and* *Meridian* *in the State of Utah*
of Range 8 West

of the *State*

State *Range* *8 West* *of the 4th* *Range* *Base* *and* *Meridian* *in the State of Utah*, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for *Utah*

Chairman.

Chairman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

Subscribed and sworn to before me this *19th*day of *August*, 190*6*

66000
 66000
 66000

George J. Stookley
U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Alonso J. Stookey, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Thomas H. Kelly, United States Surveyor General for Utah, bearing date of 14 day of April, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision of T. 2. South of Range 8 West

Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Subscribed by said Alonso J. Stookey, and sworn to before me, this 29th day of March, 1906.

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APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, July 26, 1907

The foregoing field notes of the survey of the subdivisional lines of fractional Township No. 2 South, Range No. 8 West of the Salt Lake Base and Meridian, Utah,

executed by Alonso J. Stookey, under his contract No. 203, dated April 14, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas H. Kelly
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in Utah has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

N.

FIELD NOTES

OF THE SURVEY OF THE

ASHLEY GUIDE MERIDIAN

through

Townships No. 1 North,

Between Ranges Nos. 22 and 23 East

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyor,^sUnder ^{their} ~~his~~ Contract No. 295, dated April 30, 1906., 190^x

Survey commenced June 8, 1906., 190

Survey completed June 9, 1906., 190^x

63
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 OCT 27 1906
 [Signature]
 Right of 200 ft

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Swinsbury

Chairman /

Andrew T. Rasmussen

Chairman /

R. Bert Carter

Chairman /

Angus M. Woodbury

Chairman /

George W. Worthen Jr.

Moundman /

David M. Armstrong

Axman /

Erasmus Borgquist

Axman /

Roger W. Jessup

Flagman /

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Volume

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R0337

BOOK A-337

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Robert H. Samnebury, Andrew T. Rasmussen, R. Bert Carter & Angus M. Woodbury
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Ashley Guide Meridian, through fractional T. 1 N. between Rs. 22 & 23 E., and through T. 2 N. between Rs. 22 & 23 E. of Salt Lake Base and Meridian, Utah.

Robert H. Samnebury Chainman

Andrew T. Rasmussen Chainman

R. Bert Carter Ch.

Angus M. Woodbury Cha

Scott P. Stewart

U. S. Deputy Surveyor.

Subscribed and sworn to before me this 8th

day of June, 1906.



WE, I, George W. Worthen Jr.

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of ^{my} skill and ability, in the survey of the Ashley Guide Meridian through fractional T. 1 N. between Rs. 22 and 23 E. and the T. 2 N. between Rs. 22 and 23 E. of Salt Lake Base and Meridian, Utah.

George W. Worthen Jr. Moundman

Subscribed and sworn to before me this 8th

day of June, 1906.



Scott P. Stewart

U. S. Deputy Surveyor

WE, David M. Armstrong and Erasmus Borgquist

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the Ashley Guide Meridian through fractional T. 1 N. between Rs. 22 and 23 E. and through T. 2 N. between Rs. 22 and 23 E. of Salt Lake Base and Meridian, Utah.

David M. Armstrong Axman

Erasmus Borgquist Axman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott P. Stewart

U. S. Deputy Surveyor.

I, Roger W. Jessup, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Ashley Guide Meridian through fractional T. 1 N. between Rs. 22 and 23 E. and through T. 2 N. between Rs. 22 and 23 E. of Salt Lake Base and Meridian, Utah.

Roger W. Jessup Flagman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott P. Stewart

U. S. Deputy Surveyor.

Ashley Guide Meridian, through Tps. 1 N., bet. Rs. 22. and 23E.

Survey commenced June 8, 1906, and executed with a Young and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the Meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of secs. 13, 18, 19, and 24, on W. bdy. of Tp., latitude $40^{\circ}48'40''$ N., longitude $109^{\circ}22'46''$ west, I set off $40^{\circ}49'$ N., on the lat. arc; $22^{\circ}51'$ N., on the decl. arc; and at 3:55 p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 8, 1906.

June 9, 1906: At 2 h 22 m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the manual, and mark a point in the line thus determined on a peg, driven in the ground, 5.00 chs. N. of my station.

At 6 h 40 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of cor.; this mark falls 0.35 ins. east of the meridian established by the solar.

At 6 h 59 m a.m., l.m.t., I set off $40^{\circ}49'$ N., on the lat.

Ashley Guide Meridian, through Tps. 1 N., bet. Rs. 22 and 23 E. Contd.

Chains arc; $22^{\circ}55'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.39 ins. east of the meridian established by Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0'18''$ west and $0'21''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is $N.16^{\circ}16'W.$, the angle thus determined gives the mag. decl. $16^{\circ}16'E.$

From the cor. of secs. 13, 18, 19, and 24, which is a pine post, 4 ins. sq. 2 ft. above ground, mkd. as described by the surveyor general, but almost decayed. I destroy all traces of the old cor. and

Set a sandstone, $24 \times 10 \times 8$ ins., 18 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, mkd. U F R or W., with 3 grooves on N., and S. faces; from which

A pine, 6 ins. dia., bears $N.75^{\circ}15'E.$, 26 lks.
dist. mkd. T 1 N R 23 E S 18 B T.

A pine, 5 ins. dia., bears $S.46^{\circ}50'E.$, 19 lks.
dist. mkd. T 1 N R 23 E S 19 B T.

An aspen, 4 ins. dia., bears $S.33^{\circ}05'W.$, 40 lks.
dist. mkd. T 1 N R 22 E S 24 B T.

An aspen, 4 ins. dia., bears $N.69^{\circ}10'W.$, 24 lks.
dist. mkd. T 1 N R 22 E S 13 B T.

Thence I run

North, bet. secs. 13 and 18.

Over mountainous land; through heavy timber.

Asc.

39.00 Top of ridge, 600 ft. above sec. cor., bears E. and W.

Ashby Guide Meridian through Twp. 1 N. bet. Rs. 22 and 23 E., Contd

Chains Desc.

Difference bet. measurements of 40.00 chs., by two sets of chainman, is 80 lks.; positions of middle point,

By 1st set, 39.96 chs.,

By 2nd set, 40.04 chs., the mean of which is

40.00 Set a sandstone, 30x10x8 ins., 22 ins. in the ground, for
a sec. cor., mkd. $\frac{U}{4}$ F R on W. face; from which

A pine, 6 ins. dia., bears N. 51° 15' E., 26 lks.

dist. mkd. $\frac{2}{4}$ S 18 B T.

A pine, 5 ins. dia., bears N. 24° 45' W., 34 lks.

dist. mkd. $\frac{4}{4}$ S 13 B T.

41.00 Begin abrupt descent over rock slide, bears E. and W.

50.00 Leave rock slide, bears E. and W.

71.00 Bottom of hollow, 500 ft. below ridge, course S. 70° E.

Asc.

80.00 Difference bet. measurements of 80.00 chs., by two sets of chainmen, is 10 lks.; position of middle point,

By 1st set, 79.95 chs.

By 2nd set, 80.05 chs.; the mean of which is

80.00 Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for
cor. of sec. 7, 12, 13, and 18, mkd. U F R on W., with 4 grooves
on E. and 2 grooves on N. faces; from which

A pine, 5 ins. dia., bears S. 41° 52' W., 152 lks.

dist. mkd. T 1 N R 22 E S 13 B T.

A pine, 6 ins. dia., bears N. 37° 25' W., 100 lks.

dist. mkd. T 1 N., R 22 E S 12 B T.

Note: A closing cor. is afterwards set north of this cor.
therefore I do not mark trees on E. side of line.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, pine and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

Shiley Guide Meridian through Twp. 1 N., bet. Rs. 22 and 23 E -Continued

Chains

North, bet. secs. 7 and 12.

Over mountainous land; through dense undergrowth, and heavy timber.

Asc.

3.00 Top of rocky ridge, 30 ft. above sec. cor., bears NW and SE.

Desc.

4.00 Enter heavy timber, bears NE and SW.

15.00 Bottom of hollow, 51 ft. above ridge, course E.

Asc.

38.50 Top of ridge, 800 ft. above hollow, bears E. and W.

Desc.

Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 10 lks.; position of middle point,

By 1st set, 39.95 chs.

By 2nd set, 40.05 chs.; the mean of which is

40.00 Set a sandstone, 18x6x7 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ U F R on W., face; from which

An aspen, 4 ins. dia., bears N. 68° 15' E., 26 lks.

dist. mkd. $\frac{1}{4}$ S 7 B T.

A pine, 4 ins. dia., bears N. 50° 40' W., 42 lks.

dist. mkd. $\frac{1}{4}$ S 12 B T.

Begin abrupt descent, bears E. and W.

Difference bet. measurements of 80.00 chs., by two sets of chainmen, is 14 lks.; position of middle point,

By 1st set, 79.93 chs.

By 2nd set, 80.07 chs.; the mean of which is

80.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, mkd. with U F R on W., with 1 groove on N. and 5 grooves on S. faces; from which

A pine, 8 ins. dia., bears S. 44° W., 17 lks.

dist. mkd. T 1 N R 22 E S 12 B T.

A pine, 5 ins. dia., bears N. 41° 35' W., 47 lks.

dist. mkd. T 1 N R 22 E S 1 B T.

Note: Later a clearing cor. is set for secs. 6 and 7; there-

Ashley Guide Meridian Through Tps.1 N., Bet.Rs.22 and 23 E.- Cont'd.

Chains: fore I do not mark trees in said secs.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pine and aspen.

Undergrowth, larb, and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth 80.00 chs.

June 9, 1906 At this cor.I set off $22^{\circ} 55' N.$ on the
decl.arc; and at 0 h.2 m.p.m.l.m.t.. I observe the
sun on the meridian; the resulting lat.is $40^{\circ} 50' N.$,
which is the proper lat.nearly.

North bet.secs.1 and 6,

Over mountainous land; through heavy timber and dense
undergrowth Desc.

3.00 Bottom of hollow, 20 ft.below sec.cor., course E.
Asc.

34.60 Top of ridge, 800 ft.above hollow, bears E. and W.
Desc.

Difference bet.measurements of 40.00 chs.by two sets
of chainmen, is 6 lks.; position of middle point,
By 1st set 39.97 chs.

By 2nd set 40.03 chs. ; the mean of which is

40.00 Set a sandstone 30x16x6 ins., 22 ins.in the ground, for
 $\frac{1}{4}$ sec.cor., mkd $\frac{1}{4}$ U F R on W.face; from which
A pine 6 ins.dia.bears $S.80^{\circ} E.$ 23 lks.dist.
mkd $\frac{1}{4}$ S 6 B T
A pine 8 ins.dia.bears $S.89^{\circ} W.$ 30 lks.dist.
mkd $\frac{1}{4}$ S 1 B T

65.00 Bottom of canon, 800 ft.below ridge, course E.
Asc.

Difference bet.measurements of 80.00 chs., by two sets

CHIEF GUIDE MERIDIAN THROUGH Tps.1 N., Bet. Rs.22 and 23 E.- Cont'd.

Chains. of chainmen is 12 lks.; position of middle point,
By 1st set 79.94 chs.
By 2nd set, 80.06 chs. , the mean of which is
80.00 Set temp.cor.of Tps.1 and 2 N., Rs.22 and 23 E.
Note:
Permanent cor.afterwards set at 89.90 chs., described
in notes of N.bdy.of this township.
Land, mountainous.
Soil, black loam and rocky; 1st and 4th rate.
Timber, pine and aspen.
Undergrowth, pine, aspen saplings, larb, serviceberry
and sagebrush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 89.90 chs.

June 9, 1906.

GENERAL DESCRIPTION.

Townships 1 north, Rs.22 and 23 E., are high and rough mountains, covered generally with a heavy growth of pine and aspen timber and larb, serviceberry, sage, and aspen saplings undergrowth.

There is good grazing land in Jackson Draw and Davenport Draw.

Scott O. Stewart

U.S. Deputy Surveyor.

June 9, 1906.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

For final affidavits see book "T" Tp.2 N., Rs.22 and 23 E., *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Arman.*

_____, *Arman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____

_____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

For final affidavits see book "T" Tp.2 N., Rs.22 and 23 E., *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Arman.*

_____, *Arman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____

day of _____, 190 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "T" Tp.2 N., Rs.22 and 23 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____ }



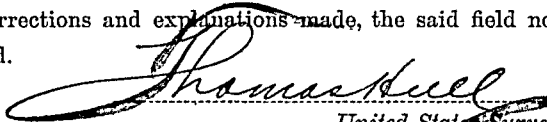
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 1907.

The foregoing field notes of the survey of the Ashley Guide Meridian, through Township No. 2 North, Between Ranges No. 22 and 23 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Scott P. Stewart and John R. Stewart _____
under ^{their} contract No. 295, dated APRIL 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes; and the surveys they describe, are hereby approved.


United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-337

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FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

of

Township No. 1 North, Range No. 23 East,

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors,

their

Under ~~1888~~ Contract No. 295, dated April 30, 1906, 190

Survey commenced June 10, 1906, 190

Survey completed June 13, 1906, 190

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Aug 6-09-05

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Sainsbury Chairman

Andrew T. Rasmussen Chairman

George W. Worthen, Jr. Moundman

Erasmus Borgquist Moundman

R. Bert Carter Axman

David M. Armstrong Axman

Roger W. Jessup Flagman

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Robert H. Spainsbury and Andrew T. Rasmussen

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

the N. ldy. of T. 1 N. R. 23 E. and T. 2 N. R. 23 E.; N. and W. ldy. of T. 2 N. R. 22 E.; W. ldy. of T. 2 N. R. 21 E. of the 31st Lake Base and Meridian, Utah.

Robert H. Spainsbury Chainman

Andrew T. Rasmussen Chainman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott W. Stewart

U.S. Deputy Surveyor

WE, George W. Worthen Jr. and Erasmus Borgquist

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

the N. ldy. of T. 1 N. R. 23 E. and T. 2 N. R. 23 E.; N. and W. ldy. of T. 2 N. R. 22 E.; W. ldy. of T. 2 N. R. 21 E. of the 31st Lake Base and Meridian, Utah.

George W. Worthen Jr. Moundman

Erasmus Borgquist Moundman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott W. Stewart

U.S. Deputy Surveyor

WE, David W. Armstrong and R. Bert Carter

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

the N. ldy. of T. 1 N. R. 23 E. and T. 2 N. R. 23 E.; N. and W. ldy. of T. 2 N. R. 22 E.; W. ldy. of T. 2 N. R. 21 E. of the 31st Lake Base and Meridian, Utah.

David W. Armstrong Axman

R. Bert Carter Axman

Subscribed and sworn to before me this 8th

day of June, 1906.



Scott W. Stewart

U.S. Deputy Surveyor

I, Roger W. Jessup, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey

of the N. ldy. of T. 1 N. R. 23 E. and T. 2 N. R. 23 E.; N. and W. ldy. of T. 2 N. R. 22 E.; W. ldy. of T. 2 N. R. 21 E. of the 31st Lake Base and Meridian, Utah.

Roger W. Jessup Flagman

Subscribed and sworn to before me this 8th

day of June, 1906.



Scott W. Stewart

U.S. Deputy Surveyor

North bdy.T.1 N.,R.23 E.-

Survey commenced June 10, 1906, and executed with a Young and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation; I proceed as follows:

At the cor. of Tps. 1 and 2 N., Rs. 23 and 24 E., which is a sandstone, 13x10x10 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general. latitude $40^{\circ}51'17''$ N., longitude $109^{\circ}15'56''$ W., I set off $40^{\circ}51'$ N., on the lat. arc; $23^{\circ}01'$ N., on the decl. arc; and at 3 159 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of cor.

June 10, 1906.

June 11, 1906: At 2 h 14.2 m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined on a wooden plug driven in the ground, 5.00 chs. N. of the cor.

At 6 h 33 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark ~~XXXXXXXXXX~~ the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls

North bdy. T.1 N., R. 23 E. -Continued.

Chains 0.43 ins. east of the meridian established by the solar. At 6 h 59 m a.m., l.m.t., I set off $40^{\circ}51'N.$, on the lat. arc; $23^{\circ}04'N.$, on the decl. arc; and determined a meridian with the solar and mark a point thereof by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.37 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0'22''$ west and $0'19''$ east of the meridian established by Polaris observation therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is $N.16^{\circ}16'W.$, the angle thus determined, gives the mag. decl. $16^{\circ}16'E.$

From the cor. of Tps. 1 and 2 N., Rs. 23 and 24 E., described above,

I run

West, on random line along north bdy. of Tp., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs., and at 489.05 chs. intersect the Ashley Guide Meridian, 9.90 chs. North of the temp. cor. of Tps. 1 and 2 N., Rs. 22 and 23 E., the falling being out of limits I return to the cor. of Tps. 1 and 2 N., Rs. 23 and 24 E. and run the bdy. West on true line.

June 11, 1906.

June 12, 1906: At 6 h 59 m a.m., l.m.t., I set off $40^{\circ}51'N.$, on the lat. arc; $23^{\circ}04'N.$, on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 1 and 2 N.,

North Div. T. 1 N. R. 23 E. -Continued

Chains	Rs. 23 and 24 E.,
	Thence 1 run
	West, on true line bet. secs. 1 and 36.
	Over mountainous land; through dense undergrowth.
	Asc. over ledges and boulders.
7.00	Enter scattering pine timber, bears NE and SW.
37.00	Top of ridge, 400 ft. above cor., bears N. and S.
	Desc. Leave ledges.
40.00	Set a sandstone, 30x10x8 ins., 22 ins. in the ground, for
	$\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	A pinon pine, 6 ins. dia., bears N. $1^{\circ}45'E.$, 39
	lks. dist. mkd. $\frac{1}{4}$ S 56 B T.
	A long leaf pine, 30 ins. dia., bears S., 32
	lks. dist. mkd. $\frac{1}{4}$ S 1 B T.
64.00	Begin abrupt descent, over ledges, bears N. and S.
73.00	Enter rock slide, bears N. and S.
80.00	Set a sandstone, 24x8x6 ins., 18 ins. in the ground, for
	cor. of secs. 1, 2, 35, and 36, mkd. with 1 notch on E. and 5
	notches on W. edges; and raise a mound of stone, 2 ft. base,
	1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly and rocky; 3rd and 4th rate.
	Timber, pine.
	Undergrowth, sage brush, oak, and choke cherry.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	80.00 chs.
	West, on a true line bet. secs. 2 and 35.
	Over mountainous land; through dense undergrowth.
	Desc. over rock slide.
9.80	Creek, 3 lks. wide, 3 ins. deep, in bottom of canon, 500 ft.

North bdy. T. 1 N., R. 23 E. -Continued

Chains	below cor., course N. 10° E. Leaverock slide, bears N. 10° E. and S. 10° W. Asc. abruptly over ledges.
27.00	Top of abrupt ascent, 500 ft. above canon, bears N. and S. Leave ledges, bears N. and S. Asc. gradually. Enter scattering timber, bears N. and S.
40.00	Set a sandstone, 18x10x5 ins. 12 ins. in the ground, for ¼ sec. cor. mkd. ¼ on N. face; from which A red pine, 8 ins. dia., bears N. 36° 45' W., 87 lks. dist. mkd. ¼ C 35 B T. A long leaf pine, 30 ins. dia., bears S. 61° W. 17 lks. dist. mkd. ¼ S 2 B T.
50.00	Leave timber, bears N. and S.
62.50	Top of ridge, 1000 ft. above canon, bears N. and S. Desc.
78.00	Bottom of canon, 300 ft. below ridge, course N. Asc. Enter heavy timber, bears N. and S.
80.00	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, mkd. with 2 notches on E. and 4 notches on W. edges; from which A pine, 12 ins. dia., bears N. 66° 35' E., 100 lks. dist. mkd. T 2 N R 23 E S 35 B T A pine, 8 ins. dia., bears S. 68° E., 140 lks. dist. mkd. T 1 N R 23 E S 2 B T. A pine, 10 ins. dia., bears S. 62° 15' W., 228 lks. dist. mkd. T 1 N R 23 E S 3 B T. A pine, 10 ins. dia., bears N. 36° 6' W., 350 lks. dist. mkd. T 2 N R 23 E S 34 B T. Land, mountainous . Soil, gravelly loam; 2nd rate. Timber, pine . Undergrowth, buck, service berry, and sage brush. Good grass for grazing.

North bdv T 1 N. R 23 E.-Continued.

Chains Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

June 12, 1906: At this cor. I set off $23^{\circ}09'N.$, on the decl. arc; and at 11 h 59 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}51'N.$, which is the proper lat. nearly.

West, on a true line bet. secs. 3 and 34.

Over mountainous land; through scattering timber and dense undergrowth.

Asc.

3.00 Enter heavy timber, bears NW and SE. and leave undergrowth.

5.00 Top of ridge, 150 ft. above sec. cor., bears N. and S.

Desc.

19.00 Bottom of hollow, 300 ft. below ridge, course $N. 20^{\circ} E.$

Asc.

21.00 Leave heavy timber and enter dense undergrowth, bears N. and S.

35.00 Enter heavy timber, bears N. and S.

40.00 Top of abrupt ascent, bears N. and S.

Set a sandstone, $20 \times 12 \times 8$ ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A pine, 8 ins. dia., bears $N. 50^{\circ} 15' E.$, 25 lks.
dist. mkd. $\frac{1}{4}$ S 34 E T.

A pine, 6 ins. dia., bears $S. 19^{\circ} W.$, 45 lks.

dist. mkd. $\frac{1}{4}$ S 3 E T.

65.00 Top of divide ridge bet. Davenport Draw and Green River Canon, 1200 ft. above hollow, bears $N. 80^{\circ} W.$ and $S. 40^{\circ} E.$

Desc. over ledges and boulders.

80.00 Set a sandstone, $24 \times 14 \times 12$ ins., in mound of rock, for cor. of secs. 3, 4, 33, and 34, mkd. with 3 notches on E., and W. edges; from which

North bdy. of T.1 N., R.23 E.-Continued.

Chains

An aspen, 4 ins. dia., bears N. 69° E., 18 lks.

dist..mkd.T 2 N., R.23 E S 34 B T.

An aspen, 4 ins. dia., bears S. 85° E., 30 lks.

dist..mkd.T 1 N., R.23 E S 3 B T.

An aspen, 10 ins. dia., bears S. 33° W., 39 lks.

dist..mkd.T 1 N R 23 E S 4 B T.

An aspen, 4 ins. dia., bears N. 85° W., 30 lks.

dist..mkd.T 2 N R 23 E S 33 B T.

Land, mountainous.

Soil, gravelly loam and stony; 2nd and 4th rate.

Timber, pine and aspen.

Undergrowth, cherry, aspen, pine, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

June 12, 1906.

June 13, 1906: At 7 h 1 m a.m., l.m.t., I set off 40° 51' N., on the lat. arc.; 23° 12' N., on the decl. arc; and determine a meridian, with the solar at the cor. of secs. 3, 4, 33, and 34.

Thence I run

West, on a true line bet. secs. 4 and 33.

Over mountainous land; through heavy timber.

Desc. over ledges and boulders.

31.00 Bottom of hollow, 400 ft. below sec. cor., course S.

Leave ledges and boulder, bears N. and S.

Asc.

40.00 Top of ridge, 300 ft. above hollow, bears N. and S.

Point for cor. falls on stationary boulder, 15x15x2 ft. above ground; I mark a cross (X) at the exact cor. point, with 4 on N. face; for 4 sec. cor. from which

North half of T 1 N R 23 E -Continued

Chains,	Along leaf pine, 20 ins. dia., bears N. 69° 30' E, 42 lks. dist. mkd. $\frac{1}{4}$ S 33 B T. A long leaf pine, 20 ins. dia., bears S. 12° 15' E 30 lks. dist. mkd. $\frac{1}{4}$ S 4 B T.
54.00	Bottom of hollow, 400 ft. below ridge, course S. Asc.
65.00	Top of ridge, 300 ft. above hollow, bears N. and S. Desc.
72.00	Bottom of hollow, 300 ft. below ridge, course S. Asc.
80.00	Top of ridge, 300 ft. above hollow, bears N. 20° W. and S. Set a sandstone, 24x14x12 ins., in mound of rock, on solid rock, for cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and 2 notches on W. edges; from which A pine, 14 ins. dia., bears N. 22° 35' E., 139 lks. dist. mkd. T 2 N., R. 23 E S 33 B T. An aspen, 6 ins. dia., bears S. 65° 35' E., 27 lks. dist. mkd. T 1 N R 23 E S 4 B T. An aspen, 5 ins. dia., bears S. 27° 30' W., 45 lks. dist. mkd. T 1 N R 23 E S 5 B T. A pine, 15 ins. dia., bears N. 39° 10' W., 28 lks. dist. mkd. T 2 N R 23 E S 32 B T.
	Land, mountainous . Soil, gravelly loam; 2nd rate. Timber, pine and aspen. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
	West, on true line bet. secs. 5 and 32. Over mountainous land; through heavy timber. Desc.
22.00	Bottom of hollow, 300 ft. below sec. cor., course S.

North Bdy. T. 1 N., R. 23 E. - Continued.

Chains.

Asc.

30.00 Top of ridge, 250 ft. above hollow, bears N. and S.

Desc.

40.00 Set a sandstone, 24x16x4 ins., 18 ins. in the ground, for
sec. cor. mkd. $\frac{1}{4}$ on N. face; from whichA pine, 10 ins. dia., bears N. 28° W., 52 lks.dist. mkd. $\frac{1}{4}$ S 32 B T.A pine, 8 ins. dia., bears S. 31° E., 45 lks.dist. mkd. $\frac{1}{4}$ S 5 B T.

48.50 Bottom of hollow, 250 ft. below ridge, course S.

Trail in bottom of hollow. There is a low divide about
10.00 chs. north of this hollow. Asc.

72.50 Top of ridge, 600 ft. above hollow, bears N. and S.

Desc.

80.00 Set a sandstone, 24x9x8 ins., 18 ins. in the ground, for
cor. of secs. 5, 6, 31, and 32, mkd. with 5 notches on E. and
1 notch on W. edges; from whichA pine, 12 ins. dia., bears N. $51^{\circ} 35'$ E., 66 lks.

dist. mkd. T 2 N R 23 E S 32 B T.

A pine, 5 ins. dia., bears S. 19° E., 45 lks.

dist. mkd. T 1 N R 23 E S 5 B T.

A pine, 15 ins. dia., bears S. 39° W., 25 lks.

dist. mkd. T 1 N R 23 E S 6 B T.

A pine, 12 ins. dia., bears N. $55^{\circ} 45'$ W., 41 lks.

dist. mkd. T 2 N R 23 E S 31 B T.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pine and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

June 13, 1906: At the noon hour the sky is overcast and
solar observations are impossible.

North bdy T 1 N R 23 E -Continued

Chains

West, on true line bet. secs. 6 and 31.

Over mountainous land; through heavy timber

Desc.

10.00 Leave timber and enter dense undergrowth, bears N. and S.

16.00 Bottom of hollow, 150 ft. below sec. cor., course S. 30° W.

Asc.

20.00 Enter heavy aspen timber, bears N. and S.

23.00 Top of ridge, 150 ft. above hollow, bears NE and SW.

Desc.

40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for
1/4 sec. cor. mkd. 1/4 on N. face; from whichAn aspen, 4 ins. dia., bears N. 9° 25' W., 15 lks.
dist. mkd. 1/4 S 31 B T.An aspen, 4 ins. dia., bears S. 39° E., 30 lks.
dist. mkd. 1/4 S 6 B T.50.00 Creek, 10 lks. wide, 6 ins. deep, in bottom of Gorge
Canon, 700 ft. below ridge, course N.

Asc. abruptly over rocky side hill 1/4

89.05 Intersect Ashley Guide Meridian, 9.90 chs. North of the
temp. cor. of Tps. 1 and 2 N., Rs. 22 and 23 E.,Set a sandstone, 18x5x6 ins., 12 ins. in the ground, for
cor. of Tps. 1 and 2 N., Rs. 22 and 23 E., mkd.

U F R on W., with 6 notches on each edge; from which

A pine, 16 ins. dia., bears N. 27° 30' E., 26 lks.
dist. mkd. T 2 N R 23 E S 31 B T.A pine, 4 ins. dia., bears S. 34° 33' E., 56 lks.
dist. mkd. T 1 N R 23 E S 6 B T.A pine, 18 ins. dia., bears S. 35° 15' W., 66 lks.
dist. mkd. T 1 N R 22 E S 1 B T.A pine, 18 ins. dia., bears N. 49° 45' W., 54 lks.
dist. mkd. T 2 N R 22 E S 36 B T.

Note: I destroy the temp. cor. of Tp.

Land, mountainous.

North bdy. T.1 N., R.23 E -Continued

Chains Soil, gravelly loam and rocky; 2nd and 4th rate.
Timber, pine and aspen.
Undergrowth, sage, buck, and service berry brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 89.05 chs.

June 13, 1906.

Boundaries of T.1 N., R.23 E.

Latitudes, departures, and closing errors.

Line designated	Course	dist- ance chs.	Latitudes				departures	
			N. chs.	S. chs.	E. chs.	W. chs.		
Ashley Guide Meridian North		249.90	249.90					
N.bdy. T.1 N., R., 23 E.	East	489.05			489.05			
E.bdy. T.1 N., R.23 E.	S. 0° 23' E.	80.20		80.20	.54			
E.bdy. T.1 N., R.23 E.	S. 0° 28' E.	80.50		80.50	.66			
E.bdy. T.1 N., R.23 E.	South	240.00		240.00				
E.bdy. T.1 N., R.23 E.	S. 0° 06' E.	83.13		83.13	.14			
S.bdy. T.1 N., R.23 E.	S. 89° 13' W.	87.46		1.19		87.45		
S.bdy. T.1 N., R.23 E.	S. 89° 11' W.	80.50		1.15		80.49		
S.bdy. T.1 N., R.23 E.	S. 89° 12' W.	80.50		1.12		80.49		
S.bdy. T.1 N., R.23 E.	S. 89° 11' W.	80.32		1.14		80.31		
W.bdy. sec. 33 same TP.	N. 1° W.	79.90	79.89				1.39	
W.bdy. sec. 28 "	N. 0° 06' E.	80.12	80.12		.14			
W.bdy. sec. 21 "	N. 0° 2' W.	80.00	80.00			.05		
N.bdy. sec. 20 "	S. 89° 12' W.	80.76		1.13		80.75		
N.bdy. sec. 19 "	S. 89° 12' W.	80.44		1.12		80.43		
Convergency					.53			
Totals			489.91	490.68	491.06	491.36		
Error in lat.				489.91		491.06		
Error in dep.				.77				.30

North bdy.T.1 N.,R.23 E.Concluded.

General Description.

This township is high and rough mountains,heavily timbered and well adapted for grazing purposes.It should be subdivided.

Scott O. Sherrill

U.S.Deputy Surveyor.

June 13,1906.

Volume
#
R0337

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, *Chainman.*For final affidavits see book "Z¹²" Tp.2 N., R. 21 E._____, *Chainman.*_____, *Moundman.*_____, *Moundman.*_____, *Asman.*_____, *Asman.*_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

For final affidavits see book "Z¹²" Tp.2 N., R. 21 E._____, *Chainman.*_____, *Chainman.*_____, *Moundman.*_____, *Moundman.*_____, *Asman.*_____, *Asman.*_____, *Flagman.*

Subscribed and sworn to before me this _____ }

day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all the several portions of _____

For final affidavit see book "Z¹³" Tp.2 N., R. 21 E.

_____ of the _____ meridian, in the _____ of _____, as here represented in the foregoing field notes as having been surveyed by me, and under my direction, and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor
Subscribed by said _____, and sworn to before me
this _____ day of _____, 190____

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000000
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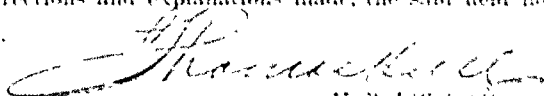
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah. June 15, 1907.

The foregoing field notes of the survey of _____ the North Boundary of Township No. 1 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Scott P. Stewart and John R. Stewart under contract No. 295, dated April 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-337

P.

FILED

OCT 27 1906

FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

EAST BOUNDARY

of

Township No. 1 North, Range No. 23 East,

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Scott F. Stewart and John R. Stewart, United States Deputy Surveyor, &
their
Under ~~his~~ Contract No. 295, dated April 30, 1906, ~~XXXX~~
etracement
urvey commenced June 14, 1906, ~~XXXX~~
etracement
urvey completed June 14, 1906, ~~XXXX~~

Ret. line 3 03 83"

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Sainsbury Chairman

Andrew T. Rasmussen Chairman

George W. Worthen Jr. Moundman

Erasmus Borgquist Moundman

R. Bert Carter Axman

David M. Armstrong Axman

Roger W. Jessup Flagman

BOOK A-337

INDEX DIAGRAM.

Township 1 North, *Range* 23 East

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31	32	33	34	35	36 2

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, Robert H. Samishbury and Andrew T. Rasmussen
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

fractional
and Meridian, Utah.

E. ldy. T. 1 N. R. 23 E.; E. ldy. T. 2 N. R. 23 E. of Salt Lake Bas.

Robert H. Samishbury, Chainman

Andrew T. Rasmussen, Chainman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott H. Stewart

U. S. Deputy Surveyor

WE, George W. Worthen Jr. and Erasmus Borgquist

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

the fractional
and Meridian, Utah.

E. ldy. T. 1 N. R. 23 E.; E. ldy. T. 2 N. R. 23 E. of Salt Lake Bas.

George W. Worthen Jr., Moundman

Erasmus Borgquist, Moundman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott H. Stewart

U. S. Deputy Surveyor

WE, David M. Armstrong and R. Bert Carter

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

the fractional
and Meridian, Utah.

E. ldy. T. 1 N. R. 23 E.; E. ldy. T. 2 N. R. 23 E. of Salt Lake Bas.

David M. Armstrong, Axman

R. Bert Carter, Axman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott H. Stewart

U. S. Deputy Surveyor

I, Roger W. Jessup, do solemnly swear that I will well and truly

perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the

survey of the fractional
Salt Lake and Meridian, Utah.

E. ldy. T. 1 N. R. 23 E.; E. ldy. T. 2 N. R. 23 E. of Salt Lake Bas.

Roger W. Jessup, Flagman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott H. Stewart

U. S. Deputy Surveyor

retrace on the E. bdy. T. 1 N., R. 23 E.

Survey commenced June 14, 1906, and executed with a Young and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs:

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

At the cor. of Tps. 1 and 2 N., Rs. 23 and 24 E., heretofore described latitude $40^{\circ}51'17''$ N. longitude $109^{\circ}15'56''$ W., I set off $40^{\circ}51'$ N., on the lat. arc; $23^{\circ}15'$ N., on the decl. arc; and at 9 h. O. m. a.m. l.m.t., I determine a meridian with the solar.

Note: For complete test of instrument see notes of Sub-division of T. 1 N., R. 23 E.

Note: On account of the closing of the north bdy. of this Tp. 1 I deem it necessary to retrace part of the E. bdy.

Thence I run

South, on retracement line bet. secs. 1 and 6.

40.10 The $\frac{1}{4}$ sec. cor. bet. secs. 1 and 6, which is a sandstone, 6x6x6 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 27 lks. dist.

80.20 The cor. of secs. 1, 6, 7, and 12, which is a sandstone, 6x10x6 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E., 54 lks. dist. The course of this line is therefore S. $0^{\circ}23'$ E. 80.20 chs.

South, on retracement line bet. secs. 7 and 12.

40.25 The $\frac{1}{4}$ sec. cor., bet. secs. 7 and 12, which is a sandstone ledge, 5x5x2 ft. above ground, mkd. and witnessed as described by the surveyor general, bears E. 33 lks. dist.

80.50 The cor. of secs. 7, 12, 13, and 18, which is a quartzite stone,

Retracement E bdy T 1 N R 23 E.-Continued.

Chains 10x24x20 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 65 lks. dist. The course of this line is, therefore, S. 0° 28' E. 80.50 chs. June 14, 1906: At this cor. I set off 23° 16' N., on the decl. arc; and at 11 h 59 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 50' N., which is the proper lat. nearly.

Note: The course and distances on the line bet. secs. 13 and 18, 19 and 24, and 25 and 30 were found to be as originally reported.

From the cor. of secs. 25, 30, 31, and 36, on E. bdy. of Tp., which is a sandstone, 6x6x5 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

I run

South, on retracement line bet. secs. 31 and 36.

43.13 The $\frac{1}{4}$ sec. cor. bet. secs. 31 and 36, which is a sandstone, 5x10x5 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 8 lks. dist.

83.13 The cor. of Tps. 1 N., Rs. 23 and 24 E., which is a sandstone, 6x12x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 14 lks. dist.

The course of this line is, therefore, S. 0° 6' E., 83.13 chs.

June 14, 1906.

Scott O. Stewart
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

For final affidavits see book "V" Tp.2 N., R.23 E. _____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Arman.*

_____, *Arman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

For final affidavits see book "V" Tp.2 N., R. 23 E. _____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Arman.*

_____, *Arman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____

day of _____, 190 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "V." Tp. 2 N., R. 23 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



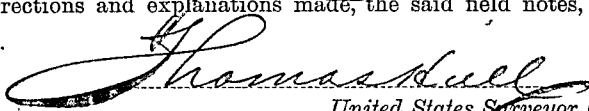
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 1907

The foregoing field notes of the ~~Survey of~~ Retracement of fractional East Boundary of Township No. 1 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah.

executed by Scott P. Stewart and John R. Stewart
under ^{their} ~~his~~ contract No. 295, dated April 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ ^{retracements} they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

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Q.

FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

SALT LAKE BASE LINE

through

Range No. 23 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors

Under ^{their} ~~his~~ Contract No. 295, dated April 30, 1906, 180x

Retracement
Survey commenced June 15, 1906, 180

Retracement
Survey completed June 15, 1906, 180

Ret. Com. 4-08-18

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Sainsbury..... Chairman

Andrew T. Rasmussen..... Chairman

George W. Worthen Jr..... Moundman

Erasmus Borgquist..... Moundman

David M. Armstrong..... Axman

R. Bert Carter..... Axman

Roger W. Jessup..... Flagman

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, Robert H. Sainsbury and Andrew T. Rasmussen

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ^{re} survey

the Salt Lake Base line (fractional) through Range 23 E. of Salt Lake
and Meridian, Utah

Robert H. Sainsbury, Chainman

Andrew T. Rasmussen, Chainman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott P. Stewart

U.S. Deputy Surveyor

WE, George W. Worthen Jr. and Erasmus Borgquist

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the ^{re} survey

the fractional Salt Lake Base line through Range 23 E. of Salt Lake Base and
Meridian, Utah

George W. Worthen Jr., Moundman

Erasmus Borgquist, Moundman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott P. Stewart

U.S. Deputy Surveyor

WE, David M. Armstrong and R. Bert Carter

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the ^{re} survey

the fractional Salt Lake Base line through Range 23 E. of Salt Lake Base and
Meridian, Utah

David M. Armstrong, Axman

R. Bert Carter, Axman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott P. Stewart

U.S. Deputy Surveyor

1. Roger W. Jessup, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the

^{re} survey of the fractional Salt Lake Base line through Range 23 E. of Salt Lake Base
and Meridian, Utah.

Roger W. Jessup, Flagman

Subscribed and sworn to before me this 8th

day of June, 1906



Scott P. Stewart

U.S. Deputy Surveyor

Retracement Salt Lake Base line, through Range 23 E.

Survey commenced June 15, 1906, and executed with a Young and Sons light mountain transit, No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian, at Salt Lake City, Utah, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

At the base cor. of Tps. 1 N., Rs. 23 and 24 E., heretofore described, latitude $40^{\circ}46'04''$ N., longitude $109^{\circ}45'56''$ W.,

At 11 h 58.6 m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 40 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 7 h 0 m a.m., l.m.t., I set off $40^{\circ}46'$ N., on the lat. arc; $23^{\circ}19'$ N., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.3 ins. east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

Note: For complete test of instrument see notes of Subdivision of T. 1 N., R. 23 E.

Note: On account of the closings made on the bdays of this Tp., and the difficulty I have had in finding some of the subdivision corners I proceed to retrace part of the Base line westward from this cor.

Thence I run

West, on retracement line along S. side sec. 36.

Retracement Base line, through Range 23 E.-Continued.

Chains

44.34 The Base $\frac{1}{4}$ sec. cor., on S. side 36, which is a sandstone, 5x12x5 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 60 lks. dist.

87.45 The Base cor. of secs. 35 and 36, which is a sandstone 7x12x5 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 119 lks. dist.

The course of this line is therefore S. 89° 13' W., and distance 87.46 chs.

West, on retracement line on S. side sec. 35.

40.33 The Base $\frac{1}{4}$ sec. cor. on S. side sec. 35, which is an aspen post, 4 ins. sq., 2 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 56 lks. dist.

80.49 The Base cor. of secs. 34 and 35, which is an aspen post, 4 ins. sq., 2 ft. above ground, mkd. and witnessed as described by the surveyor general, bears S. 115 lks. dist.

Note: The post being partly decayed I destroy it and re-establish the cor. at the same point as follows:

Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for Base cor. of secs. 34 and 35, mkd. B. C on N., with 2 grooves on E. and 4 grooves on W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Note: The course of this line is therefore S. 89° 11' W., and distance 80.50 chs.

June 15, 1906 At this cor. I set off 23° 18' N., on the decl. arc; and at 7 h 1 m p.m., 1 m.t., I observe the sun on the meridian, the resulting lat. is 40° 46' N., which is the

Retracement Base line, through Range 23 East-Contd.

Chains

proper lat. nearly.

West, on retracement line along S. side sec. 34.

- 40.25 The Base $\frac{1}{4}$ sec. cor., on S. side sec. 34, which is an aspen post, 4 ins. sq., 2 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 55 lks. dist.

The post is partly decayed therefore I destroy all traces of it and at the same point

Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. B C $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

- 80.49 The Base cor. of secs. 33 and 34, which is a sandstone, 10x10x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 113 lks. dist.

The course of this line is therefore S. 89° 12' W. and distance 80.50 chs.

West, on retracement line along S. side sec. 33 .

- 40.14 The Base $\frac{1}{4}$ sec. cor., on S. side sec. 33, which is a sandstone 6x6x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 56 lks. dist.

- 80.31 The Base cor. of secs. 32 and 33, which is a sandstone, 6x14x9 ins., above ground firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 115 lks. dist.

Retracement Base Line through Range 23 E. Continued.

Chains The course of this line is therefore S.89°11'W. and distance 80.32 chs.

Note: I found no trace of any closing corners set from the south.

For general description see notes of the subdivision of this township.

John P. Stewart.

U.S. Deputy Surveyor.

June 15, 1906.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Scott P. Stewart

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ^{retaining} survey of ~~the fractional~~ Salt Lake Base line through Range 23 E. of Salt Lake Base and Meridian, Utah showing the respective capacities in which they acted:

Robert H. Sainsbury _____, Chainman.
Andrew T. Remmick _____, Chainman.
George W. Worthen Jr. _____, Moundman.
Erasmus Borgquist _____, Moundman.
David M. Armstrong _____, Axman.
R. Bert Carter _____, Axman.
Roger W. Jessup _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott P. Stewart

_____, United States Deputy Surveyor, in ^{retaining} surveying all those parts or portions of the fractional Salt Lake Base line, through Range 23 E.

_____ of the Salt Lake Base meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Robert H. Sainsbury _____, Chainman.
Andrew T. Remmick _____, Chainman.
George W. Worthen Jr. _____, Moundman.
Erasmus Borgquist _____, Moundman.
David M. Armstrong _____, Axman.
R. Bert Carter _____, Axman.
Roger W. Jessup _____, Flagman.

Subscribed and sworn to before me this 28th day of August, 1906.



Scott P. Stewart
 U. S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We, Scott P. Stewart, John R. Stewart, United States Deputy Surveyors do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 30th day of April, 1906, ^{we} have well, faithfully, and truly, in ^{our} own proper person^s and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ^{retreated} surveyed all those parts or portions of the fractional Salt Lake Base Line through Range 23 E.

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been ^{retreated} ~~surveyed~~ by us, and under ^{our} ~~my~~ direction; and ^{we} do further solemnly swear that all the corners of said ^{retreatment} ~~survey~~ have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{retreatment}.

Scott P. Stewart
and

Subscribed by said John R. Stewart, and sworn to before me
this 2nd day of October, 1906



Thomas Hull
U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 1906

The foregoing field notes of the ~~survey~~ ^{retreatment} of the Fractional Salt Lake Base Line through Range No. 23 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and John R. Stewart under ^{their} ~~his~~ contract No. 295, dated April 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and ~~the~~ ^{retreatments} they describe, are hereby approved.

Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

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X. F. B.

R.

FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

SUBDIVISION

of

Township No. 1 North, Range No. 23 East,

Of the Salt Lake Base, and Meridian,
State of Utah

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors
their
Under ~~his~~ Contract No. 295, dated April 30, 1906, 1906
Retracement
~~Survey~~ commenced June 16, 1906, 1906
Retracement
~~Survey~~ completed June 18, 1906, 1906

6-151

Ret. base 10.05-4.5 ✓
Res. length 1 00. 12 ✓

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Sainsbury

Chainman

Andrew T. Rasmussen

Chainman

George W. Worthen Jr.

Moundman

Erasmus Borgquist

Moundman

David M. Armstrong

Axman

R. Bert Carter

Axman

Roger W. Gessup

Flagman

BOOK A-337

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Robert H. Sanbury and Andrew T. Rasmussen
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

*the Retracement of fractional subdivisions T.1 N. R. 23 E. of Salt Lake Base and
Meridian, Utah, and fractional subdivisions T.3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.*
Robert H. Sanbury, Chainman
Andrew T. Rasmussen, inman.

Subscribed and sworn to before me this 8th
day of June, 1906



Scott W. Stewart

U. S. Deputy Surveyor

WE, George W. Worthen and Erasmus Borgquist
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

*the Retracement of fractional subdivisions T.1 N. R. 23 E. of Salt Lake Base and
Meridian, Utah, and fractional subdivisions T.3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.*
George W. Worthen, Moundman
Erasmus Borgquist, Moundman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott W. Stewart

U. S. Deputy Surveyor

WE, David Armstrong and R. Bert Carter
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

*the Retracement of fractional subdivisions T.1 N. R. 23 E. of Salt Lake Base
and Meridian, Utah, and fractional subdivisions T.3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.*
David Armstrong, Axman
R. Bert Carter, Axman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott W. Stewart

U. S. Deputy Surveyor

1. Roger W. Jessup, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the

*survey of the Retracement of fractional subdivisions T.1 N. R. 23 E. of Salt Lake
Base and Meridian, Utah, and fractional subdivisions T.3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.*
Roger W. Jessup, Flagman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott W. Stewart

U. S. Deputy Surveyor

Retracement Subdivision T.1 N., R.23 E.

Survey commenced June 16, 1906: And executed with a Young and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

At the Base cor. of secs. 35 and 36, on S., bdy. Tp., heretofore described, latitude $40^{\circ}46'04''$ N., longitude $109^{\circ}17'05''$ W.

At 1 h 54.4 m. a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined, by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of my station.

At 6 h 50 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 7 h 10 m a.m., l.m.t., I set off $40^{\circ}46'$ N., on the lat. arc; $23^{\circ}21'$ N., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

Note: For complete test of instrument see notes of Sub; T.1 N., R.23 E.

Note: On account of closings already made and also on account of not being able to find some of the cors. in the subdivision of this township I proceed to retrace some of the lines as follows:

From the above described cor. of secs. 35 and 36.

I run

North, on retracement line bet. secs. 35 and 36.

Retracement Subdivision T.1 N., R.23 E.-Continued.

Chains	
40.00	<p>The $\frac{1}{4}$ sec. cor. bet. secs. 35 and 36., which is a sandstone, 9x10x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 55 lks. Dist.</p>
81.19	<p>The cor. of secs. 25, 26, 35, and 36, which is a sandstone, 6x10x8 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 113 lks. Dist.</p>
	<p>The course of this line is therefore N. 0° 48' W., and distance 81.20 chs.</p>
	<p>Note: To better perpetuate the cor. I mark trees in the south secs. as follows:</p>
	<p>A pine, 12 ins. dia., bears S. 22° E., 28 lks. dist., mkd. T 1 N R 23 E S 36 B T.</p>
	<p>A pine, 14 ins. dia., bears S. 46° 30' W., 33 lks. dist., mkd. T 1 N R 23 E S 35 B T.</p>
	<p>West, on retracement line bet. secs. 26 and 35.</p>
	<p>Note: On account of the old notes on this line being entirely wrong I will give notes of topography.</p>
	<p>Over mountainous land; through heavy timber.</p>
	<p>Desc. mountain.</p>
15.00	<p>Leave timber, enter dense undergrowth, bears N. and S.</p>
40.15	<p>The $\frac{1}{4}$ sec. cor., bet. secs. 26 and 35, which is a sandstone, 6x12x12 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 109 lks. dist.</p> <p>The course of this line is therefore S. 88° 27' W., and distance 40.16 chs.</p>
42.00	<p>Begin more gradual descent, bears N. and S.</p>

Retracement Subdivision of T.1 N., R.23 E.-Continued.

Chains

80.39 The cor. of secs. 26, 27, 34, and 35, which is quartzite stone, 12x12x10 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 109 lks. dist.

The course of this last half mile is therefore West and distance 40.23 chs.

June 16, 1906: At the noon hour the sky is overcast and solar observations are impossible.

South, on retracement line bet. secs. 34 and 35.

old
Note: The notes of topography on this line are wrong therefore I give the notes on this retracement.

Over mountainous land; Ascend toward low divide.

40.54 The $\frac{1}{2}$ sec. cor. bet. secs. 34 and 35, which is a quartzite, 6x13x10 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 53 lks. dist.

45.00 Top of low divide, 200 ft. above sec. cor., bears E. and W. Desc.

50.50 Foot of descent, bears E. and W. Enter bottom of Pot Creek Canon.

62.50 Pot Creek, 10 lks. wide, 6 ins. deep, course S. 30° E.

81.17 The Base cor. of secs. 34 and 35, heretofore described, bears E. 108 lks. dist.

The course of this line is therefore S. 0° 46' E.; and distance 81.18 chs.

Retracement Subdivision T.1 N., R.23 E. Continued.

Chains

- 40.25 S. $89^{\circ}42'W.$, on retracement line bet. secs. 27 and 34. The $\frac{1}{2}$ sec. cor. bet. secs. 27 and 34, which is a quartzite, $5 \times 10 \times 6$ ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 69 lks. dist.
- 80.50 The cor. of secs. 27, 28, 33, and 34, which is a boulder, $20 \times 5 \times 5$ ft. above ground, mkd. and witnessed as described by the surveyor general, bears S. 138 lks. dist. The course of this line is therefore S. $88^{\circ}43'W.$, and distance 80.52 chs.

June 16, 1906.

June 17, 1906: At 7 h 0 m a.m., l.m.t., I set off $40^{\circ}47'N.$, on the lat. arc; $23^{\circ}24'N.$, on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33, and 34. Thence I run

South, on retracement line bet. secs. 33 and 34.

- 40.25 The $\frac{1}{4}$ sec. cor. bet. secs. 33 and 34, which is a sandstone, $5 \times 12 \times 12$ ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 58 lks. dist.
- 80.53 The Base cor. of secs. 33 and 34, heretofore described., bears E., 117 lks. dist. The course of this line is therefore S. $0^{\circ}50'E.$, and distance 80.54 chs.

From the cor. of secs. 27, 28, 33, and 34, I run N. $89^{\circ}45'W.$, on retracement line bet. secs. 28 and 33.

Retracement - Subdivision T.1 N., R.23 E. - Continued.

Chains

40.24 The sec. cor. bet. sec. 33 and 28, which is sandstone, 11x14x10 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 106 lks. dist.

80.50 The cor. of sec. 28, 29, 32, and 33, which is a sandstone, 11x14x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 215 lks. dist..

The course of this line is therefore S. 86° 43' W. 80.52 chs. June 17, 1906: At this cor. I set off 23° 25' N., on the decl. arc; and at 6 h, 5 p.m., l.m.t., I observe the sun on the meridian the resulting lat. is 40° 47' N., which is the proper lat. nearly.

South, on retracement line bet. sec. 32 and 33.

40.00 The sec. cor. bet. sec. 32 and 33, which is sandstone, 6x10x7 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 70 lks. dist.

79.89 The base cor. of sec. 32 and 33, which is heretofore described, bears N. 140 lks. dist.

The course of this line is therefore S. 1° E., and distance 79.90 chs.

From the cor. of sec. 28, 29, 32, and 33, I run N. bet. sec. 28 and 29.

40.00 No cor. set in original survey. Set temp. sec. cor.

60.12 The cor. of sec. 20, 21, 28, and 29, which is a sandstone, 6x10x5 ins., above ground, firmly set, and mkd. as described by the surveyor general, but no trees are marked; therefore I mark trees as follows:

An arpen, 6 ins. dia., bears S. 43° W., 33 lks.

dist. mkd. T. 1 N. R. 23 E. S. 29 B. 1.

An arpen, 6 ins. dia., bears N. 31° 35' W., 36 lks.

Retracement Subdivision T.1 N. R. 23 E. -Continued.

Chains

dist..mkd.T 1 N R 23 E S 20 B T.

I fall 15 lks.W.of said cor.

Thence I run

S.0°06'W.,on retracement line bet.secs.28 and 29.

Over mountainous land;through dense undergrowth and scattering timber.

Asc.gradually in bottom of broad hollow.

39.00 Begin abrupt ascent over rocks and boulders,bears E. and W.

40.06 Set a quartzite stone,15x12x6 ins.,16 ins.in the ground, for $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on W.face;from which

A pine,12 ins.dia.,bears N.68°E.,11 lks.

dist..mkd. $\frac{1}{4}$ S 28 B T.

A pine,5 ins.dia.,bears N.60°W.,15 lks.

dist..mkd. $\frac{1}{4}$ S 29 B T.53.00 Top of ridge,800 ft.above sec.cor.,bears E.and W.
Desc.

80.12 The cor.of secs.28,29,32,and 33.

Land,mountainous .

Soil,gravelly and rocky;2nd and 4th rate.

Timber,aspen and pine .

Undergrowth,sage,buck,service berry,and cherry.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.12 chs.

June 17,1906.

June 18,1906:At 7 h 1 m a.m.,l.m.t.,I set off 40°48'N.,
on the lat.arc;23°25'N.,on the decl.arc;and determine a
meridian with the solar,at the cor.of secs.20,21,28,and
29.

Retracement Subdivision T.1 N., R.23 E. Concluded.

Chains

Thence I run

North, on retracement line bet. secs. 20 and 21.

40.00

The $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21, which is a quartzite stone 6x7x5 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 2 lks. dist.

80.00

The cor. of secs. 16, 17, 20, and 21, which is a quartzite stone 5x10x9 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 5 lks. dist.

The course of this line is therefore N. 0° 02' W. and distance 80.00 chs.

West, on retracement line bet. secs. 17 and 20.

40.

Note: On account of the notes of topography being so much different from those given in the original field notes; I therefore give the notes on this retracement line.

Over mountainous land; through dense undergrowth.

Asc.

4.00

Top of ridge, 50 ft. above sec. cor., bears N. and S.

Desc.

33.00

Bottom of hollow, 300 ft. below ridge, course S.

Asc.

40.36

The $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20, which is a quartzite stone, 6x10x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears as follows: S. 55 lks. dist.

A ledge, bears N. 26° W., 7 lks. dist. mkd. with a cross B O.

45.00

Top of ridge, 400 ft. above hollow, bears N. and S.

Retracement Subdivision T.1 N., R.23 E. continued.

Chains Enter heavy timber, bears N. and S.

Desc.

80.76 The cor. of secs. 17, 18, 19, and 20, which is a quartzite stone 6x10x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 113 lks. dist.

The course of this line is therefore S. 89° 12' W., 80.76 chs.

June 18, 1906: At this cor. I set off 23° 25' N., on the decl arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 49' N., which is the proper lat. nearly.

S. 89° 34' W., on retracement line bet. secs. 18 and 19.

40.30 The $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19, which is a sandstone, 5x10x9 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears S. 26 lks. dist.

80.43 The cor. of secs. 13, 18, 19, and 24, on W. bdy. of Tp., heretofore described, bears S. 52 lks. dist.

The course of this line is therefore S. 89° 12' W. and distance 80.44 chs.

June 18, 1906.

John H. Stewart
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS:

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For final affidavits see book "Z⁸" Tp.3 N., R. 21 E. _____, *Chainman*.

_____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Asman*.

_____, *Asman*.

_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

For final affidavits see book "Z⁸" Tp.3 N., R. 21 E. _____, *Chainman*.

_____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Asman*.

_____, *Asman*.

_____, *Flagman*.

Subscribed and sworn to before me this _____ }

day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "Z"⁸ " Tp.3 N., R. 21 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



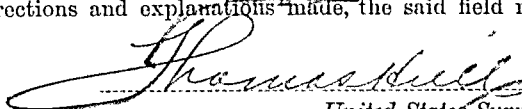
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 15, _____, 1907

The foregoing field notes of the survey of ~~XXXXXX~~ retracement of the fractional subdivision of Township No. 1 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and John R. Stewart
under ~~their~~ contract No. 295, dated April 30, _____, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ retracements they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

S.

FILED

OCT 27 1906

2.3.03

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 1 North, Range No. 23 East,

Of the ~~Salt Lake Base and Meridian,~~
State of Utah.

AS SURVEYED BY

Scott P. Stewart and John L. Stewart, United States Deputy Surveyors,
their
Under ~~the~~ Contract No. 295, dated April 30, 1906, 1906
Survey commenced June 19, 1906, 1906
Survey completed July 1, 1906, 1906

4270 76
15.77

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Sainsbury Chairman

Andrew T. Rasmussen Chairman

George W. Worthen Jr. Moundman

Erasmus Borgquist Moundman

R. Bert Carter Axman

David M. Armstrong Axman

Roger W. Jessup Flagman

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Robert H. Samsbury and Andrew T. Rasmussen
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the fractional subdivision of T. 1 N. R. 23 E. and subdivisions of T. 2 N. R. 23 E.; T. 2 N. R. 22 E.; T. 2 and 3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.

Robert H. Samsbury, Chainman
Andrew T. Rasmussen, Chainman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott P. Stewart
U.S. Deputy Surveyor

WE, George W. Worthen Jr. and Erasmus Borgquist
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the fractional subdivision of T. 1 N. R. 23 E. and subdivisions of T. 2 N. R. 23 E.; T. 2 N. R. 22 E.; T. 2 and 3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.

George W. Worthen Jr., Moundman
Erasmus Borgquist, Moundman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott P. Stewart
U.S. Deputy Surveyor

WE, David M. Armstrong and R. Bert Carter
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the fractional subdivision of T. 1 N. R. 23 E. and subdivisions of T. 2 N. R. 23 E.; T. 2 N. R. 22 E.; T. 2 and 3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.

David M. Armstrong, Axman
R. Bert Carter, Axman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott P. Stewart
U.S. Deputy Surveyor

I, Roger W. Jessup, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the fractional subdivision of T. 1 N. R. 23 E. and subdivisions of T. 2 N. R. 23 E.; T. 2 N. R. 22 E.; T. 2 and 3 N. R. 21 E. of Salt Lake Base and Meridian, Utah.

Roger W. Jessup, Flagman

Subscribed and sworn to before me this 8th
day of June, 1906



Scott P. Stewart
U.S. Deputy Surveyor

Subdivision T.1 N., R.23 E.

Survey commenced June 19, 1906, and executed with a Young and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake ^{City}, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris I proceed as follows:

At the cor. of secs. 25, 26, 35, and 36, heretofore described. latitude $40^{\circ}46'56''$ N., longitude $109^{\circ}17'05''$ W., I set off $40^{\circ}47'$ N., on the lat. arc; $23^{\circ}27'$ N., on the decl. arc; and at 4 h 1 m p.m. l.m.t., I determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 19, 1906.

June 20, 1906: At 1 h 38 m a.m. l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual and mark a point thereof on a wooden peg driven in the ground, 5.00 fms. N. of the cor.

At 6 h 45 m a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.41 ins. east of the mark determined with the solar.

Subdivision T.1 N., R.23 E.-Continued.

Chains At 7 h 1 m a.m., 1 mt. I set off $40^{\circ}47'N.$, on the lat. arc; $23^{\circ}28'N.$, on the decl. arc; and mark the meridian determined by the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0^{\circ}22'$ west and $0^{\circ}20'$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is $N.16^{\circ}16'W.$, the angle thus determined, gives the mag. decl. $16^{\circ}16'E.$

Note: Knowing from connections already made that the line bet. secs. 25 and 36 will not intersect the E. bdy. of Tp., within limits; therefore I run

East, on true line bet. secs. 25 and 36.

Over mountainous land; though scattering timber and dense undergrowth. Asc.

2.00 Top of ridge, 20 ft. above sec. cor., bears $N.20^{\circ}E.$ and $S.20^{\circ}W.$

Desc. over ledges, and rock slide.

16.00 Foot of ledges and slide, bears $N.80^{\circ}E.$ and $S.$

40.00 Set a red sandstone, $20 \times 8 \times 8$ ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

49.50 Enter heavy aspen timber, bears N. and S.

52.00 Bottom of hollow, 250 ft. below ridge, course $S.30^{\circ}W.$
Asc.

54.50 Leave aspen timber, bears N. and S.

61.65 Top of ridge, 250 ft. above hollow, bears N. and S.
Desc.

Subdivision of T 1 N R 23 E -Continued

Chains

- 77.00 Bottom of hollow .220 ft. below ridge, course S. 20° W.
Asc. A spring bears N. 30° W. 5.00 chs. dist.
- 83.00 Enter aspen timber, bears N. and S.
- 88.26 Intersect E. bdy. of Tp., 3.11 chs., S. 0° 06' E., of cor. of
secs. 25, 30, 31, and 36, heretofore described.
Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for
closing cor. of secs. 25 and 36, mkd. C C on W., with 1
groove on S. and 5 grooves on N. faces; and raise a mound
of stone, 2 ft. base, 1½ ft. high, W. of cor.
Note: I destroy all marks on the cor. of secs. 25, 30, 31, and
36, which pertain to secs. 25 and 36.
Land, mountainous .
Soil, clay loam and stony; 2nd and 4th rate.
Timber, pine and aspen.
Undergrowth, sage, aspen saplings, service berry;
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with
dense undergrowth, 88.26 chs.

Note: On account of the lines and corners along the lower
tier of sections in this township being so irregular,
it becomes necessary to run a sectional correction line
west from the cor. of secs. 19, 24, 25, and 30, on E. bdy. of
Tp.

Therefore from the cor. of secs. 19, 24, 25, and 30, which
is a sandstone, 6x6x5 ins., above ground, firmly set, and
mkd. and witnessed as described by the surveyor general.

Thence I run

West, on a sectional correction line bet. secs. 24 and 25.
Over mountainous land; through dense sage-brush.

Descend.

Subdivision of T.1 N., R. 23 E. Continued

Chains

- 27.00 Bottom of hollow, 200 ft. below sec. cor., course N.
Asc.
- 40.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 41.50 Top of spur, 120 ft. above hollow, bears N. and S. Desc.
- 77.00 Hollow, 100 ft. below spur, course NW. Asc.
- 80.00 Set a red sandstone, 18x10x5 ins., 12 ins. in the ground,
for cor. of secs. 23, 24, 25, and 26, mkd. with 2 notches on
S. and 1 notch on E. edges; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth.
- 80.00 chs.
- June 20, 1906: At this cor. I set off $23^{\circ}27'N.$, on the decl.
arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the
meridian, the resulting lat. is $40^{\circ}48'N.$, which is the
proper lat. nearly.
-
- West, on a sectional correction line bet. secs. 23 and 26.
- Over mountainous land; through dense sage brush.
- Desc. gradually.
- 3.25 Bottom of swale, 25 ft. below sec. cor., course NE.
- Road in bottom, bears NE and SW.
- Asc. gradually.
- 34.13 Low ridge, 100 ft. above hollow, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
- Desc. abruptly.

Subdivision of T.1-N. R.23 E.-Continued.

Chains

- 40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 40.64 Creek bed, 100 ft. below ridge, bottom of Jackson Draw, course N. Ascend very gradually.
- 52.40 Old road, bears N. and S. (From Vernal to Kelly's Ranch)
- 60.00 The NW cor. of a cultivated field bears S. about 3.00 chs. dist. The field contains about 20 acres. This field is on the Desert Entry of Joseph P. Hacking.
- 61.30 Spring branch, 3 lks. wide, 2 ins. deep, course SE. The spring bears NW about 6.00 chs. dist.
- 73.00 Begin steep ascent, bears NW and SE.
- 80.00 Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, mkd. with 2 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous
- Soil, clay loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.
- West, on a sectional correction line, bet. secs. 22 and 27. Over mountainous land, through dense undergrowth. Asc.
- 19.00 Enter heavy aspen timber; bears N. and S.
- 27.50 Ascend more abruptly over rock slide, bears N. and S.
- 40.00 Point for cor. falls on stationary boulder, 4x3x1 ft. above ground, I mark a cross (X) at exact point for $\frac{1}{4}$ sec. cor.

Subdivision of T.1 N., R.23 E.-Continued.

Chains	mkd. $\frac{1}{4}$ on N. face; from which
	An aspen, 8 ins. dia., bears N. $7^{\circ}35'E.$, 64 lks. dist. mkd. $\frac{1}{4}$ S. 22 B T.
	An aspen, 8 ins. dia., bears S. $10^{\circ}30'E.$, 49 lks. dist. mkd. $\frac{1}{4}$ S. 27 B T.
45.30	Leave aspen timber, bears N. and S.
48.75	Top of ridge, 800 ft. above sec. cor., bears N. and S. Desc.
51.50	Enter scattering aspen and pine timber, bears N. and S.
55.50	Bottom of hollow, 250 ft. below ridge, course S. $20^{\circ}E.$ Asc. abruptly over rock slide.
70.00	Leave rock slide, bears N. and S. Enter heavy pine timber.
75.00	Leave heavy and enter scattering pine timber bears N. & S.
76.00	Top of abrupt ascent, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$ Asc. gradually.
80.00	Top of ridge, 600 ft. above hollow, bears N. $20^{\circ}E.$ and S. 20° W. and NW. Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S. and 3 notches on E. edges; from which A pine, 6 ins. dia., bears N. $72^{\circ}E.$, 65 lks. dist. mkd. T 1 N R 23 E S 22 B T. A pine, 6 ins. dia., bears S. $1^{\circ}W.$, 356 lks. dist. mkd. T 1 N R 23 E S 28 B T. A pine, 6 ins. dia., bears N. $82^{\circ}W.$, 355 lks. dist. mkd. T 1 N E 23 E S 21 B T. No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous; Soil, gravelly loam; 2nd rate. Timber, pine and aspen. Undergrowth, sage brush, cherry, and service berry. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.1 N. R. 23 E -Continued

Chains

West, on a sectional correction line bet. secs. 21 and 28.
Over mountainous land; through dense undergrowth.

Desc.

- 5.00 Enter scattering timber, bears N. and S.
24.00 Leave timber, bears N. and S.
32.60 Enter aspen timber, bears N. and S.
40.00 Set a red sandstone, 18x14x6 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
An aspen, 4 ins. dia., bears N. 43° E., 6 lks.
dist. mkd. $\frac{1}{4}$ S 21 B T.
An aspen, 4 ins. dia., bears S. 33° W., 14 lks.
dist. mkd. $\frac{1}{4}$ S 28 B T.
57.00 Leave heavy and enter scattering timber, bears N. and S.
80.00 Foot of steep descent, 1000 ft. below ridge, bears NW and
SE.
Enter bottom of broad hollow.
89.03 Intersect N. and S. line, 7.40 chs. N. 0° 02' W., of cor. of secs.
20, 21, 28, and 29, heretofore described.
Set a sandstone, 15x12x5 ins., 10 ins. in the ground, for
closing cor. of secs. 21 and 28, mkd. C C on E., with 2
grooves on S. and 4 grooves on E. faces; from which
An aspen, 6 ins. dia., bears S. 30° 50' E., 158 lks.
dist. mkd. T 1 N R 23 E S 28 B T.
No other trees within limits; raise a mound of stone,
3 ft. base, 2 ft. high, E. of cor.
Note: I destroy all marks on the cor. of secs. 20, 21, 28,
and 29, which pertain to secs. 21 and 28.
Land, mountainous.
Soil, clay loam and gravelly; 2nd and 3rd rate.
Timber, pine and aspen.
Undergrowth, service berry, cherry, and sage.

Subdivision of T.1 N., R.23 E.-Continued.

Chains Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 89.03 chs.

June 20, 1906.

June 21, 1906. At 7 h / m a.m., l.m.t., I set off $40^{\circ}48'N.$, on the lat. arc; $23^{\circ}28'N.$, on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 23, 24, 25, and 26.

Thence I run

$S.0^{\circ}1'E.$, on true line bet. secs. 25 and 26.

Note: This line is run $S.0^{\circ}1'E.$, on true line because it will not intersect the old cor. of secs. 25, 26, 35, and 36 within the limits.

Over mountainous land; through dense sage brush.

Asc.

34.00 Enter scattering timber, bears E and W.

37.00 Enter heavy timber, bears E. and W.

40.00 Set a sandstone, $18 \times 10 \times 8$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

A pine, 4 ins. dia., bears $N.67^{\circ}E.$, 13 lks.

dist. mkd. $\frac{1}{4}$ S 25 B T.

A pine, 4 ins. dia., bears $S.53^{\circ}W.$, 48 lks.

dist. mkd. $\frac{1}{4}$ S 26 B T.

55.50 Top of ridge, 500 ft. above sec. cor., bears E. and W. Desc.

62.60 Hollow, 50 ft. below ridge, course $N.80^{\circ}W.$ Asc.

74.00 Top of ridge, 100 ft. above hollow., bears NE and SW.

Desc.

82.88 Intersect E. and W. line, 805 lks. East of the cor. of secs. 25, 26, 35, and 36, heretofore described.

Set a sandstone, $24 \times 12 \times 10$ ins., in mound of stone, for

Subdivision of T. 1 N., R. 23 E., -Continued.

Chs. closing cor. of secs. 25 and 26; mkd. C C on N., with 1
groove on E. and 1 groove on S. faces; from which

An aspen, 6 in. dia. bears N. 62° E., 76 lks.

dist.. mkd. T 1 N R 23 E S 25 B T.

An aspen, 6 in. dia., bears N. 6° 20' W., 69 lks.

dist.. mkd T 1 N R 23 E S 26 B T.

Note: I destroy all marks on the cor. of secs. 25, 26, 35, and
36, which pertain to secs. 25 and 26.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, Aspen and pine.

Undergrowth, sage, service berry, and cherry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 82.86 chs.

N. 6° 1' W., bet. secs. 23 and 24.

Over mountainous land; through dense sage brush.

Desc.

25.00 Bottom of swale, 20 ft. below sec. cor., course N2.

Road in bottom.

Asc. gradually.

40.00 Set a sandstone, 10x8x6 ins., 11 ins. in the ground, for
sec. cor.. mkd. $\frac{1}{2}$ on W. face; dig pits, 16x16x12 ins., N. and
S. of stone, 3 ft. dist.; and raise a mound of earth, 3
ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

43.00 Top of low ridge, bears N. 15° E. and S. 40° W.

Desc. gently.

80.00 Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for
cor. of secs. 13, 14, 23, and 24, mkd. with 3 notches on S. and
1 notch on E. edges; and raise a mound of stone, 2 ft.

Subdivision of T.1 N., R. 23 E.-Continued.

Chs. base, $1\frac{1}{2}$ ft high, W. of cor.
 Land, mountainous.
 Soil, clay loam and gravelly; 2nd and 3rd rate.
 No timber.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 80.00 chs.
 June 21, 1906: At this cor. I set off $23^{\circ}27'N.$, on the decl.
 arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the
 meridian, the resulting lat. is $40^{\circ}49'N.$, which is the
 proper lat. nearly.

East, on a random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect E. bdy. of Tp.; 10 lks. N. of the cor. of secs. 13, 18,
 29, and 24, which is a sandstone, $12 \times 12 \times 8$ ins., above ground,
 firmly set, and mkd. and witnessed as described by the
 surveyor general.

Thence $\frac{1}{4}$ run

$N. 89^{\circ}56'W.$, on a true line bet. secs. 13 and 24.

Over mountainous land; through heavy timber.

Asc.

5.00 Top of ridge, 10 ft. above sec. cor., bears $N. 80^{\circ}W.$ and
 $S. 80^{\circ}E.$

Desc.

30.00 Leave timber and enter ledges, bears N. and S.

40.04 Point for cor. falls on stationary boulder, $5 \times 3\frac{1}{2} \times 3$ ft.
 above ground, I mark a cross (X) at exact cor. point for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

46.00 Top of ridge, 300 ft. below ridge, bears NE and SW.

Subdivision of T. 1 N., R. 23 E., Continued

Chains	Leave ledges, bears NE and SW. Desc.
61.15	Bottom of hollow, 400 ft. below ridge, course N. 30° W. Asc. gradually.
72.00	Top of low ridge, 100 ft. above hollow, bears N. and S. 60° W. Desc. gradually.
80.08	The cor. of secs. 13, 14, 23, and 24. Land, mountainous. Soil, gravelly loam; 3rd rate. Timber, pine and aspen. Good grass for grazing. Mountainous or heavily timbered land, 80.08 chs.
	N. 0° 1' W., bet. secs. 13 and 14. Over mountainous land; through dense sage brush. Desc.
28.38	Woven wire fence, bears N. 40° E. and S. 40° W.
30.70	Bottom of Jackson's Draw, 50 ft. below sec. cor., course S. 60° E. Ascend gently.
35.43	Woven wire fence, bears N. 50° W. and S. 50° E. This fence encloses a field about 10.00 chs. sq. on Mark Hall's Desert Entry. There is a small reservoir about S. 60° E., about 3.00 chs. from cor. of fence.
34.00	Spring branch, 2 lks. wide, 2 ins. deep, course SE.
35.32	Old road, bears N. 20° E. and S. 20° W., Vernal to Kelly's ranch.
40.00	Set a sandstone, 14x9x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
60.00	Top of low spur, 40 ft. above Draw, bears N. 70° W. and S. 70° E. Desc. gradually.

Subdivision of T.1 N., R.23 E.-Continued.

Chains	
75.00	Bottom of swale, 15 ft. below spur, course S. 55° E. Asc.
80.00	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, mkd. with 4 notches on E. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous. Soil, gravelly loam; 2nd rate. No timber. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	June 21, 1906.
	June 22, 1906: At 7 h 2 m a.m., 1 m.t., I set off 40° 50' N. on lat 23° 28' N., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13, and 14. Thence I run S. 89° 56' E., on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect E. bdy. of Tp., 22 lks. N. of the cor. of secs. 7, 12, 13, and 18. heretofore described. Thence I run N. 89° 47' W., on a true line bet. secs. 12 and 13. Over mountainous land; through dense undergrowth. Asc.
.25	Top of ridge, 10 ft. above sec. cor., bears N. 20° E., S. 20° W. and NW. Desc.
38.25	Bottom of Jackson's Draw, 700 ft. below ridge, course

Subdivision of T. 1-N. R. 23 E. - (Continued)

Chains N. 20° W.

Asc. gently.

40.00 Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

69.10 Road from Vernal to Kelly's Ranch, bears N. 20° E. and S. 20° W.

80.00 The cor. of secs. 11, 12, 13, and 14.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

Note: On account of the bearing of the E. bdy. of the Tp. bet. secs. 7 and 12 and 1 and 6. It becomes necessary to Run north on sectional guide meridian from the cor. of secs. 11, 12, 13, and 14.

Thence I run

North, on a sectional Guide Meridian, bet. secs. 11 and 12.

Over, mountainous land; through dense sage brush. Asc.

4.00 Begin abrupt ascent, bears E. and W.

33.00 Enter rock slide, bears E. and W.

33.00 Top of ridge, 120 ft. above sec. cor., bears N. 80° W. and S. 80° E.

Desc. along rock slide.

40.00 Set a sandstone, 24x14x3 ins., in mound of rock, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

An aspen, 4 ins. dia., bears S. 43° W., 31 lks.

dist., mkd. $\frac{1}{4}$ S 11 B T.

Subdivision of T-1-N-F-25-A-Continued

Chains No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Leave rock slide.

57.00 Bottom of swale, 150 ft. below ridge, course E. 00.00

Asc.

80.00 Top of ridge, 200 ft. above swale, bears N. 80° W. and S. 80° E. Set a sandstone, 18x8x7 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, mkd. with 5 notches, on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 80.00 chs.

June 22, 1906: At O. h. 2 m, p. m. sky is overcast and solar observations are impossible.

S. $89^{\circ} 47'$ E. on a random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

70.00 Intersect E. bdy. of Tp., 46 lks. S. $0^{\circ} 28'$ E. of the cor. of secs. 1, 6, 7, and 12, heretofore described.

Thence, I run S. $89^{\circ} 52'$ W., on true line bet. secs. 1 and 12.

Over mountainous land; through dense sage brush.

Desc. gradually.

8.00 Wash, 3 lks. wide, 2 ft. deep, in bottom of Jackson's Draw, 50 ft. below sec. cor., course N.

Asc. gradually.

25.50 Road from Vernal to Kelley's Ranch, bears N. 20° E. and S. 20°

Subdivision of T.1 N., R.23 E.-Continued.

Chains, W.

- 39.00 Set a sandstone, 10x8x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 53.00 Begin abrupt ascent, bears N. 10° W. and S. 10° E.
- 79.00 The cor. of secs. 1, 2, 11, and 12.
Point 500 ft. above Jackson's Draw.
Land, mountainous.
Soil, clay and gravelly loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grezing.
Mountainous land, or land covered with dense undergrowth,
79.00 chs.

Note: Knowing that the line bet. secs. 1 and 2 will not intersect the N. bdy. within the limits;

I run

North, on sectional Guide Meridian, bet. secs. 1 and 2.

Over mountainous land; through dense undergrowth.

Desc.

- 4.00 Enter scattering timber, bears E. and W.
- 15.00 Enter heavy aspen timber, bears E. and W.
- 34.00 Leave timber, bears E. and W.
- 39.00 Hollow, 400 ft. below sec. cor., course E. Ascend.
- 40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ - sec. cor. mkd. $\frac{1}{4}$ on E. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 43.00 Ridge, 20 ft. above hollow, bears E. and W. Desc.
- 56.00 Creek, $\frac{1}{2}$ lks. wide, 2 ins. deep, in bottom of Canon, 200 ft. below $\frac{1}{4}$ sec. cor., course NW.
Asc. over rock slide.
- 72.00 Top of rocky ridge, 400 ft. above canon, bears N. 80° W. and S. 80° W.

Subdivision of T. 1 N. R. 23 E. -Continued

Chains Desc. over rock slide.

80.60 Intersect N., bdy. of Tp., 1.20 chs. East, of cor. of secs. 1, 2, 35, and 36, heretofore described.

Set a quartzite stone, 36x12x5 ins., 27 ins. in the ground, for closing cor. of secs. 1 and 2, mkd. C C on S., with 1 groove on E. and 5 grooves on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Land, mountainous.

Soil, clay and gravelly; 3rd rate.

Timber, aspen.

Undergrowth, sage brush, cherry and service berry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.60 chs.

Note: I destroy all marks on the cor. of secs. 1, 2, 35, and 36 which pertain to secs. 1 and 2.

June 22, 1906.

June 23, 1906: At 7 h 2 m a.m., l.m.t., I set off 40° 48' N., on the lat. arc; 23° 28' N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 22, 23, 26, and 27.

Thence I run (for reasons already explained)

S. 6° 2' E., on true line bet. secs. 26 and 27.

Over mountainous land; through dense sage brush.

Asc.

11.50 Top of ridge, 80 ft. above sec. cor., bears N. 60° W. and S. 60° E.

Desc.

39.00 Foot of steep descent, bears N. 20° E. and S. 30° W.

Subdivision of T.1 N., R.23 E.-Continued.

Chains	Descend gradually to Jackson's Draw.
40.00	Set a sandstone, 16x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
55.50	Road from Vernal to Kelley's Ranch, bears N. 15° E. and S. 20° W.
68.00	Bottom of Jackson's Draw, 100 ft. below ridge, course N. 30° E.
	Asc.
83.90	Intersect E. and W. line, 8.24 chs. East of the cor. of secs. 26, 27, 34, and 35, heretofore described.
	Set a sandstone, 24x12x10 inc., 18 ins. in the ground, for closing cor. of secs. 26 and 27, mkd. C C on N., with 2 grooves on E. and 1 groove on S. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Note: I destroy all marks on the cor. of secs. 26, 27, 34, and 35, which pertain to secs. 26 and 27.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 83.90 chs.

From the cor. of secs. 22, 23, 26, and 27.

I run

N. 6° 2' W., bet. secs. 22 and 23.

Over mountainous land; through dense sage brush.

Desc.

Subdivision of T.1 N., R.23 E. - Continued.

Chains	
4.00	Foot of steep descent, bears NW and SE. Desc. gradually.
12.00	Spring branch, 2 lks. wide, 2 ins. deep, course S. 60° E. Asc. gradually.
13.00	Ascend abruptly over ledges, bears N. 60° W. and S. 60° E.
30.30	Top of ridge, 400 ft. above sec. cor., bears E. and W. Enter heavy timber, bears E. and W. Desc.
40.00	Set a red sandstone, 20x10x3 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A pine, 12 ins. dia., bears N. 21° 30' E., 87 lks. dist. mkd. $\frac{1}{4}$ S 23 B T. An aspen, 4 ins. dia., bears S. 78° 30' W., 28 lks. dist. mkd. $\frac{1}{4}$ S 22 B T.
50.00	Bottom of hollow, 300 ft. below ridge, course E. Asc.
53.00	Leave timber, bears E. and W.
68.80	Top of ridge, 300 ft. above hollow, bears E. and W. Enter heavy timber. Desc.
79.50	Leave timber, bears NE and SW.
80.00	Set a sandstone, 16x12x5 ins., 11 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, mkd. with 3 notches on S. and 2 notches on E. edges; from which An aspen, 4 ins. dia., bears N. 57° 35' E., 75 lks. dist. mkd. T 1 N R 23 E S 14 B T. An aspen, 4 ins. dia., bears S. 65° 15' E., 34 lks. dist. mkd. T 1 N R 23 E S 23 B T. A pine, 8 ins. dia., bears S. 17° 50' W., 132 lks. dist. mkd. T 1 N R 23 E S 22 B T. No other trees within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, clay loam; 2nd rate.

Subdivision of T.1 N., R.25 E.-Continued.

Chains	<p>Timber, pine and aspen.</p> <p>Undergrowth, sage brush, service berry, and cherry.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.</p> <p>June 23, 1906: At 10 P. M. sky is overcast and solar observations are impossible.</p>
	<p>East, on a random line bet. secs. 14 and 23.</p>
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.10	Intersect N. and S. line, $\frac{1}{2}$ lks. S. of the cor. of secs. 13, 14, 23, and 24.
	Thence I run:
	S. $89^{\circ}59'W.$, on a true line bet. secs. 14 and 23.
	Over mountainous land; through dense undergrowth.
	Desc. gradually.
15.00	Bottom of Jackson's Draw, 100 ft. below sec. cor., course N. $20^{\circ}E.$
	Asc. gradually.
18.50	Road from Vernal to Kelley's Ranch, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
26.50	Begin abrupt ascent, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
37.00	Top of spur; 200 ft. above Draw, bears NW and SE.
	Desc.
40.05	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, $\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high, N. of cor.
45.00	Bottom of hollow, 150 ft. below spur, course S. $60^{\circ}E.$
	Asc.
76.50	Leave undergrowth and enter heavy aspen timber, bears

Subdivision of T.1 N., R.23 E., -C. continued

Chains	NE and SW.
79.50	Leave timber and enter dense sage brush, bears N. and E.
80.10	The cor. of secs. 14, 15, 22, and 23.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, aspen.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, on land covered with dense undergrowth, 80.10 chs.
	N. 0° 2' W., bet. secs. 14 and 15.
	Over mountainous land; through dense undergrowth,
	Desc.
12.00	Bottom of hollow, 100 ft. below sec. cor., course E. 80° E.
	Asc. abruptly over ledges.
30.00	Top of ridge, 300 ft. above hollow, bears N. 55° E. and S. 55° E.
	Enter scattering pine and aspen timber, bears N. 50° W. and S. 55° E.
	Desc.
37.50	Leave ledges, bears E. and W.
40.00	Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for 1/4 sec. cor. mkd. 1/4 on W. face; from which
	An aspen 8 ins. dia., bears S. 39° 30' E., 20 lks. dist. mkd. 1/4 S 14 B T.
	An aspen, 8 ins. dia., bears N. 48° 50' W., 22 lks. dist. mkd. 1/4 S 15 B T.
42.50	Bottom of hollow, 200 ft. below ridge, course E. 50° E.
	Asc.

Subdivision of T.1 N., R.23 E.-Continued.

Chains

80.00

Point, 800 ft above hollow.

Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, mkd. with 4 notches on S. and 2 notches on E. edges; from which

An aspen, 4 ins. dia., bears N. 41° 10' E., 32 lks.

dist. mkd. T 1 N R 23 E S 11 B T.

A pine, 5 ins. dia., bears S. 10° E., 45 lks.

dist. mkd. T 1 N R 23 E S 14 B T.

An aspen, 5 ins. dia., bears S. 51° W., 16 lks.

dist. mkd. T 1 N R 23 E S 15 B T.

A pine, 8 ins. dia., bears N. 41° 30' W., 10 lks.

dist. mkd. T 1 N R 23 E S 10 B T.

Land, mountainous.

Soil, gravelly loam and stony; 2nd and 4th rate.

Timber, pine and aspen.

Undergrowth, sage brush, cherry, service berry, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

June 23, 1906.

June 24, 1906: At 7 h 2 m. a.m., l.m.t., I set off 40° 50' N; on the lat. arc; 23° 27' N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 10, 11, 14, and 15.

Thence I run

N. 89° 59' E., on a random line bet. secs. 11 and 14.

40.00

Set temp. $\frac{1}{2}$ sec. cor.

Subdivision of T.1 N., R.23 E., -Continued

Chains

- 80.30 Intersect N. and E. line, 12 lks. S. of the cor. of secs. 11, 12, 13, and 14.
Thence, 1 run
S. $89^{\circ}54'$ W., on true line bet. secs. 11 and 14.
Over mountainous land; through dense undergrowth. Asc.
7.50 Hollow, 20 ft. above sec. cor., course S. 65° E. Asc.
18.00 Begin steep ascent, bears NW and SE.
29.00 Enter heavy timber, bears N. and S.
40.15 Set a sandstone, 18x14x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
A pine, 18 ins. dia., bears N. 44° E., 49 lks.
dist., mkd. $\frac{1}{4}$ S 11 B T.
A pine, 13 ins. dia., bears S. 89° W., 141 lks.
dist., mkd. $\frac{1}{4}$ S 14 B T.
54.50 Leave timber, bears N. and S.
75.40 Top of ridge, 1000 ft. above hollow, bears N. 20° W. and S. 20° E.
Enter heavy timber, bears N. 20° W. and S. 20° E.
Desc.
80.30 The cor. of secs. 10, 11, 14, and 15.
Land, mountainous.
Soil, clay loam and gravelly; 2nd and 3rd rate.
Timber, pine and aspen.
Undergrowth, sage brush, cherry, service berry, and buck brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.30 chs.
N. $0^{\circ}1'$ W., bet. secs. 10 and 11.

Subdivision of T.1 N. R.23 E.-Continued.

Chains	Over mountainous land; through heavy timber and dense undergrowth.
	Ascend.
6.00	Top of divide ridge bet. Jackson's Draw and Lambson's Draw, 100 ft. above sec. cor., bears NE and SW.
	Desc.
21.00	Leave heavy timber, and enter burnt timber, bears NE and SW.
29.00	Bottom of hollow, 500 ft. below ridge, course W.
	Enter scattering timber, bears E. and W.
	Asc.
40.00	Set a sandstone, 20x8x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	A pine, 6 ins. dia., bears E. 84° 15' E., 100 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.
	A pine, 8 ins. dia., bears N. 79° 50' W., 170 lks. dist. mkd. $\frac{1}{4}$ E 10 B T.
59.00	Top of divide ridge bet. Jackson's Draw and Lambson's Draw, 600 ft. above hollow, bears N. 20° W. and S. 20° E.
	Desc.
72.00	Leave burnt timber and enter heavy green timber, bears E. and W.
77.00	Leave heavy timber and enter scattering timber and burnt timber, bears N. 20° W. and S. 20° E.
80.00	Set a sandstone, 18x12x10 ins., 12 ins. in the ground, for cor. of secs. 2, 5, 10, and 11, mkd. with 5 notches on S. and 2 notches on E. edges; and from which
	A pine, 6 ins. dia., bears E. 59° 15' W., 103 lks. dist. mkd. T 1 N R 23 E S 10 B T.
	A pine, 6 ins. dia., bears N. 61° 30' W., 112 lks. dist. mkd. T 1 N R 23 E S 3 B T.
	No other trees within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, pine and aspen.

Subdivision of T.1 N., R.23 E.-Continued.

- Chains Undergrowth, sage brush, service berry, buck brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
June 24, 1906: At this cor. I set off $23^{\circ}26'N.$, on the decl. arc; and at 6 h 2 m p.m., l.m.t., I observe the sun on the meridian the resulting lat. is $40^{\circ}50'N.$, which is the proper lat. nearly.
-
- N. $89^{\circ}54'E.$, on a random line bet. secs. 2 and 11.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.22 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 1, 2, 11, and 12.
Thence I run
S. $89^{\circ}50'W.$, on a true line bet. secs. 2 and 11.
Over mountainous land; through dense undergrowth.
Asc.
15.00 Enter heavy timber, bears N. and S.
40.11 Top of ridge 1100 ft. above sec. cor., bears N. $40^{\circ}E.$ and S. $40^{\circ}W.$
Set a sandstone, 20x12x6 inc. 15 inc. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
A pine, 14 ins. dia., bears N. $5^{\circ}30'W.$, 37 lks.
Dist. mkd. $\frac{1}{4}$ S 2 B T.
A pine, 16 ins. dia., bears S. $57^{\circ}30'E.$, 60 lks.
Dist. mkd. $\frac{1}{4}$ S 11 B T.
Desc.
62.00 Bottom of hollow, 400 ft. below ridge, course N. $20^{\circ}E.$
Asc.
65.00 Leave heavy and enter scattering timber, bears N. and S.
80.22 The cor. of secs. 2, 3, 10, and 11.
Land, mountainous.
Soil, gravelly loam; 2nd rate.

Subdivision of T.1 N., R.23 E.-Continued.

Chains Timber, pine and aspen.

Undergrowth, sage, service berry, cherry, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.22 chs..

Note: For reasons already explained I run

N. 61° W., on true line bet. secs. 2 and 3.

Over mountainous land; through dense undergrowth and burnt timber.

Desc.

26.00 Enter heavy timber, bears E. and W. and leave burnt timber.

40.00 Set a sandstone, 30x10x4 ins., 22 ins. in the ground, for

sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

A pine, 12 ins. dia., bears S. 33° 30' E., 45 lks.

dist. mkd. $\frac{1}{4}$ S 2 B T.

A pine, 36 ins. dia., bears S. 62° 25' W., 46 lks.

dist. mkd. $\frac{1}{4}$ S 3 B T.

44.00 Leave timber, bears E. and W.

53.00 Enter heavy aspen timber, bears E. and W.

56.00 Leave aspen timber, bears E. and W.

A spring bears E. 2.00 chs. dist.

62.00 Top of ridge, 600 ft. below sec. cor., bears E. and W.

Desc. abruptly.

64.00 Enter heavy aspen timber, bears E. and W.

67.00 Leave aspen timber and enter pine timber, bears E. and W.

77.50 Leave timber, bears E. and W.

80.70 Intersect N. bdy. of Tp., 120 lks. E. of the cor. of secs.

2, 3, 34, and 35, heretofore described.

Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for

Subdivision of T.1 N., R. 23 E. - Continued

Chains closing cor. of secs. 2 and 3, mkd. C C on E., with 2 grooves on E. and 4 grooves on W. faces; from which:

An aspen, 6 ins. dia., bears S. 73° E., 11 lks.

dist. mkd. T 1 N R 23 E S 2 B T.

A pine, 6 ins. dia., bears S. 28° 30' W., 22

lks. dist. mkd. T 1 N R 23 E S 3 B T.

Note: I destroy all marks on the cor. of secs. 2, 3, 34, and 35, which pertain to secs. 2 and 3.

Land, mountainous.

Soil, gravelly loam and rocky; 2nd and 4th rate.

Timber, pine and aspen.

Undergrowth, sage, service berry, cherry, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 60.76 chs.

June 24, 1906.

June 25, 1906: At 7 h 2 m a.m., l.m.t., I set off 40° 48' N., on the lat. arc; 23° 26' N., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27, and 28.

Thence I run

For reasons already explained

S. 0° 2' E., on true line bet. secs. 27 and 28.

Over mountainous land; through dense undergrowth and scattering timber.

Desc.

11.00 Commence abrupt descent, bears N. 20° E. and S. 20° W.

Enter heavy aspen and pine timber, bears N. 20° E. and S. 20° W.

24.00 Head of canon, 500 ft. below ridge, course SE.

Asc.

40.00 Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for

Subdivision of T. 1 N. R. 23 E. - Continued

Chains $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

A red pine, 8 ins. dia., bears S. 70° E., 13 lks.
dist. mkd. $\frac{1}{4}$ S 27 B T.

A pine, 26 ins. dia., bears S. 42° 34' W., 93 lks.
dist. mkd. $\frac{1}{4}$ S 28 B T.

67.00 Leave heavy timber, bears N. 20° W. and S. 20° E.

68.00 Top of ridge, 400 ft. above canon, bears N. 30° W. and S. 30° E.

Desc.

85.50 Intersect E. and W. line, 8.86 chs., N. 88° 43' E., from the cor. of secs. 27, 28, 33, and 34, heretofore described.

Set a red sandstone, 18x10x7 ins., 12 ins. in the ground.
For closing cor. of secs. 27 and 28, mkd. C C on N., with 1 groove on E. and 3 grooves on E. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Note: I destroy all marks on the cor. of secs. 27, 28, 33, and 34, which pertain to secs. 27 and 28.

Land, mountainous.

Soil, gravelly and clay loam; 2nd rate.

Timber, pine and aspen.

Undergrowth, service berry, aspen saplings, cherry, and sage.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 85.50 chs.

From the cor. of secs. 21, 22, 27, and 28.

I run

N. 0° 2' W., bet. secs. 21 and 22.

Over mountainous land; through dense undergrowth and scattering timber.

Desc.

Subdivision of T.1 N., R.23 E. Continued.

Chains

38.00 Bottom of swale, 300 ft. below sec. cor., course NW.

Asc.

40.00 Set a red sandstone, 15x13x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from whichA red pine 8 ins. dia., bears S. 37° 49' E., 33 lks. dist. mkd. $\frac{1}{4}$ S 22 B T.A pine, 5 ins. dia., bears N. 44° 28' W., 22 lks. dist. mkd. $\frac{1}{4}$ S 21 B T.

60.00 Top of low ridge, 150 ft. above hollow, bears E. and W.

Enter heavy pine timber, bears E. and W.

Desc.

80.00 Set sandstone, 15x8x6 ins., 10 ins. in the ground, for cor. of secs., 15, 16, 21, and 22, mkd. with 1 N on NE and 23 E on SE faces; with 3 notches on S. and E. edges; from which

A pine, 12 ins. dia., bears N. 24° 15' E., 120 lks. dist. mkd. T 1 N R 23 E S 15 B T.

A pine, 13 ins. dia., bears S. 67° 40' E., 34 lks. dist., mkd. T 1 N R 23 E S 22 B T.

A red pine, 6 ins. dia., bears S. 20° 17' W., 43 lks. dist. mkd. T 1 N R 23 E S 21 B T.

A pine, 8 ins. dia., bears N. 79° 40' W., 60 lks. dist. mkd. T 1 N R 23 E S 16 B T.

Land, mountainous.

Soil, gravelly loam and rocky; 2nd and 4th rate.

Timber, pine and aspen.

Undergrowth, sage, service berry, and black brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

June 25, 1906: At this cor. I set off 23° 25' N., on the decl. arc; and at 6 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 49' N., which is the proper lat. nearly.

Subdivision of T.1 N., R.23 E.-Continued.

Chains

East, on a random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.14 Intersect N. and E. line, 5 lks. N. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

N. $89^{\circ}58'W.$, on a true line bet. secs. 15 and 22.

Over mountainous land; through dense undergrowth and scattering timber.

Asc. abruptly.

40.07 Top of divide ridge, bet. Jackson's Draw and Lambson's draw, 1000 ft. above sec. cor., bears N. and S.

Point for $\frac{1}{4}$ sec. cor. falls on stationary boulder, 50x30 x20 ins. above ground, I mark a cross (X) at exact point for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Desc. abruptly.

80.14 The cor. of secs. 15, 16, 21, and 22. 800 ft. below ridge. Land, mountainous.

Soil, gravelly loam and clay loam and rocky; 2nd and 4th rate.

Timber, pine and aspen.

Undergrowth, sage, service berry, cherry, and buck brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 80.14 chs.

June 25, 1906.

June 26, 1906: At 7 h 2 m a.m., l.m.t., I set off $40^{\circ}49'N.$ on the lat. arc; $23^{\circ}25'N.$, on the decl. arc; and determine

Subdivision of T.1 N. R. 23 E. Continued.

Chains a meridian with the solar at the cor. of sec. 15, 16, 21, and 22.

Note: Knowing that the line bet. sec. 16 and 21 will not intersect the N. and S. line within limits; I run

West, on a true line bet. sec. 16 and 21.

Over mountainous land; through heavy timber.

Desc.

28.00 Creek, 2 lks. wide, 2 ins. deep, in bottom of hollow, 200 ft. below sec. cor., course N. 60° W.

Asc.

38.00 Top of low ridge, 50 ft. above hollow, bears N. and S.

Desc.

40.00 Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which

An aspen, 5 ins. dia., bears S. 30° W., 73 lks.

dist. mkd. $\frac{1}{4}$ S 21 B T.

An aspen, 6 ins. dia., bears N. 0° 25' E., 68 lks.

dist. mkd. $\frac{1}{4}$ S 16 B T.

68.00 Leave timber, bears N. and S.

75.00 Creek, 10 lks. wide, 6 ins. deep, in bottom of Lambson's Draw 606 ft. below sec. cor., course SW.

Asc.

80.00 Set a sandstone, 20x12x7 ins., 15 ins. in the ground, for cor. of sec. 16 and 17, mkd. with 3 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

88.88 Point 7.24 chs. N. of cor. of sec. 16, 17, 20, and 21.

Set a red sandstone, 18x10x8 ins., 12 ins. in the ground, for

NW cor. of sec. 21, mkd. with 4 notches on E. edge; and raise

a mound of stone, 2 ft. base, 1½ ft. high, SE of cor.

Note: I destroy all marks on the old cor. of sec. 16, 17, 20, and 21, which pertain to sec. 16 and 21.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pine and aspen.

Subdivision of T.1 N .R.23 E.-Continued.

Chains	Good grass for grazing. Mountainous or heavily timbered land, 88.88 chs.
	N.0°2'W., bet. secs. 15 and 16. Over mountainous land; through heavy timber. Desc.
36.50	Leave aspen timber, bears E. and W.
37.00	Trail bears E. and W., Bottom of hollow, 600 ft. below sec. cor., course W. Asc.
40.00	Set a sandstone, 15x8x5 ins., 10 ins. in the ground, for sec. cor., mkd. $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. A small spring bears N.30°E., 1.50 chs. An old cabin bears N.77°47'W., about 37.00 chs. dist.
41.00	Enters scattering timber, bears E. and W.
41.10	Creek, 2 lks. wide, 1 in. deep, course W.
58.50	Top of rocky ridge, 300 ft. above hollow; bears E. and W. Desc.
80.00	Set a sandstone, 15x12x6 ins., 10 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, mkd. with 4 notches on E., and 3 notches on E. edges; from which An aspen, 4 ins. dia., bears N.0°30'E., 4 lks. dist., mkd. T 1 N R 23 E S 10 B T. An aspen, 4 ins. dia., bears S.70°26'E., 56 lks. dist., mkd. T 1 N R 23 E S 15 B T. An aspen, 4 ins. dia., bears S.50°8'W., 37 lks. dist., mkd. T 1 N R 23 E S 16 B T. An aspen, 4 ins. dia., bears N.44°0'W., 39 lks. dist., mkd. T 1 N .R 23 E S 9 B T. Land, mountainous. Soil, gravelly and stony; 2nd and 3rd rate. Timber, pine and aspen.

Subdivision of T.1 N., R.23 E.-Continued.

Chains	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	June 26, 1906: At this cor. I set off $23^{\circ}23'N.$, on the decl. arc; and at 2 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}50'N.$, which is the proper lat. nearly.
	$S.89^{\circ}58'E.$, on a random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 10 lks. N. of the cor. of secs. 10, 11, 14, and 15.
	Thence I run
	$N.89^{\circ}54'W.$, on a true line bet. secs. 10 and 15.
	Over mountainous land; through heavy timber and dense undergrowth.
	Asc.
5.50	Top of divide ridge, bet. Jackson's Draw and Lambson's Draw 100 ft. above sec. cor., bears NE. and SW.
	Desc.
40.04	Set a sandstone, 15x12x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
	A pine, 6 ins. dia., bears $N.65^{\circ}W.$, 22 lks.
	dist. mkd. $\frac{1}{4}$ S 10 B T.
	A pine, 6 ins. dia., bears $S.45^{\circ}E.$, 9 lks.
	dist. mkd. $\frac{1}{4}$ S 15 B T.
80.08	The cor. of secs. 9, 10, 15, and 16.
	Point 1400 ft. below ridge.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pine and aspen.
	Undergrowth, sage, service berry, cherry, and buck brush.

Subdivision of T.1.N., R.23 E. Continued.

Chains Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.08 chs.

June 26, 1906.

At this cor., latitude $40^{\circ}49'32''$ N., longitude $109^{\circ}19'28''$ W., I set off $40^{\circ}50'$ N., on the lat. arc; $23^{\circ}24'$ N., on the decl. arc; and at 5 h 2 m p.m., m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 26, 1906.

June 27, 1906; At 1 h 11 m a.m., l.m.t., I observe Polaris at eastern elongation; in accordance with the Manual, and mark the line thus determined, on a peg driven in ground, 5.00 chs. N. of the cor.

At 6 h 40 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.32 ins. east of the meridian established by Polaris observation.

At 7 h 3 m a.m., l.m.t., I set off $40^{\circ}50'$ N., on the lat. arc; $23^{\circ}23'$ N., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone, already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0^{\circ}17'$ west and $0^{\circ}21'$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

Subdivision of T.1 N., R.23 E.-Continued.

Chains. The magnetic bearing of the meridian at 7 h 30 m a.m. is N. $16^{\circ}16'$ W., the angle thus determined, gives the mag. decl. $16^{\circ}16'$ E.

Thence I run

N. $0^{\circ}2'$ W., bet. secs. 9 and 10.

Over mountainous land; through heavy timber.

Desc.

16.00 Leave timber and enter dense undergrowth, bears E. and W.

20.50 Creek, 3 lks. wide, 3 ins. deep, in bottom of Lambson's Draw, 50 ft. below sec. cor., course S. 40° W.

Asc.

20.75 Enter heavy timber, bears N. 40° E. and S. 40° W.

40.00 Set a sandstone, 16x14x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on W. face; from which

A pine, 36 ins. dia., bears S. 80° E., 59 lks. dist..mkd. $\frac{1}{4}$ S 10 B T.

A pine, 24 ins. dia., bears N. 20° W., 42 lks. dist..mkd. $\frac{1}{4}$ S 9 B T.

80.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, mkd. with 5 notches on S. and 3 notches on E. edges; from which

A pine, 14 ins. dia., bears N. 21° E., 35 lks. dist..mkd. T 1 N R 23 E S 3 B T.

A pine, 16 ins. dia., bears S. $69^{\circ}10'$ E., 145 lks. dist..mkd. T 1 N R 23 E S 10 B T.

No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pine and aspen.

Undergrowth, sage, service berry, cherry, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.1N., R.23 E.-Continued.

Chains.

S. $89^{\circ} 54' E.$, on a random line bet. secs. 3 and 10

40.00 Set temp. sec. cor.

80.22 Intersect N. and S. line, 5 mls. N. of the cor. of secs. 2, 3, 10, and 11.

Thence I run

N. $89^{\circ} 52' W.$, on a true line bet. secs. 3 and 10.

Over mountainous land; through scattering timber and dense undergrowth.

Asc.

8.00 Top of divide ridge, bet. Lambson's Draw and Green River, 100 ft. above sec. cor., bears N. $40^{\circ} W.$ and S. $20^{\circ} E.$

Desc.

37.00 Bottom of head of Lambson's Draw, 600 ft. below ridge, course S. $40^{\circ} W.$

Asc.

40.11 Set a red sandstone, 20x14x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from whichA pine, 7 ins. dia., bears N. $40^{\circ} E.$, 60 lks.dist. mkd. $\frac{1}{4}$ S 3 B T.An aspen, 5 ins. dia., bears S. $6^{\circ} 30' W.$, 13 lks.dist. mkd. $\frac{1}{4}$ S 10 B T.

41.00 Top of spur, 150 ft. above Draw, bears N. and S.

Desc.

61.00 Bottom of hollow, 150 ft. below spur, course S. $10^{\circ} W.$

Asc.

80.22 The cor. of secs. 3, 4, 9, and 10.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, pine and aspen.

Undergrowth, service berry and buck brush.

Good grass.

Subdivision of T.1 N., R.23 E. - Continued.

Chains	Mountainous land, or land covered with dense undergrowth, 80.22 chs.
	June 27, 1906: At this cor. I set off $23^{\circ}21'N.$, on the decl. arc, and at 0 h 3 m p.m., l.m.t., I observe the sun on the meridian the resulting latitude $40^{\circ}50'N.$, which is the proper lat. nearly.
	Note; For reasons already explained, I run
	$N.0^{\circ}2'W.$, on true line bet. secs. 3 and 4.
	Over mountainous land; through heavy timber and dense undergrowth.
	Asc. 150, wood introduced to base in bottom
17.00	Top of divide ridge, 400 above sec. cor., bears $N.40^{\circ}E.$ and $S.40^{\circ}W.$ This is divide bet. Lambson's Draw and Davenport Draw.
	Desc. abruptly.
40.00	Set a sandstone, $16 \times 10 \times 6$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which
	As pine, 7 ins. dia., bears $N.89^{\circ}E.$, 49 lks.
	dist. mkd. $\frac{1}{4}$ E. 3 B. T.
	As pine, 10 ins. dia., bears $N.70^{\circ}W.$, 37 lks.
	dist. mkd. $\frac{1}{4}$ E. 4 B. T.
72.00	Bottom of canon, 800 ft. below ridge, course $N.$ Asc.
75.00	Leave heavy and enter scattering timber, bears E. and W.
80.94	Intersect N. bd. of Tp., 1.00 chs. East of the cor. of secs. 3, 4, 33, and 34, heretofore described.
	Set a sandstone, $20 \times 10 \times 6$ ins., 15 ins. in the ground, for closing cor. of secs. 3 and 4, mkd. C. C. on S., with 3 grooves on E., and W. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Subdivision of T₁N₁E₂₃E Confirmed

Chains

Note: I destroy all marks on the cor. of secs. 3, 4, 33, and 34, which pertain to secs. 3 and 4.

Land, mountainous.

Soil, gravelly and stoney; 3rd and 4th rate.

Timber, pine and aspen.

Undergrowth, sage, buck, and cherry brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.94 chs.

June 27, 1906.

June 28, 1906: At 7 h 3 m a.m., l.m.t., I set off 40° 49' N on the lat. arc; 23° 20' N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 16 and 17, heretofore described.

Thence I run

N. 0° 3' W., bet. secs. 16 and 17.

Over mountainous land; through dense undergrowth, and scattering timber.

Asc.

40.00 Set a sandstone, 24x15x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

60.00 Top of divide ridge, bet. Lambson's Draw and Davenport Draw, 900 ft. above sec. cor., bears N. 20° E. and S. 20° W.
Desc.

Enter heavy timber, bears N. 20° E. and S. 20° W.

80.00 Set a sandstone, 20x8x8 ins., 15 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, mkd. with 4 notches on S., and E. edges; from which

Subdivision of T.1 E., E. 23 E. - Continued.

Chain

A pine, 6 ins. dia., bears N. 77° E., 23 lks.
dist. mkd. T 1 E E 23 E S 9 B T.

A pine, 6 ins. dia., bears S. 63° 50' E., 25 lks.
dist. mkd. T 1 E E 23 E S 10 B T.

A pine, 4 ins. dia., bears S. 50° 40' E., 33 lks.
dist. mkd. T 1 E E 23 E S 17 B T.

A pine, 5 ins. dia., bears N. 34° W., 40 lks.
dist. mkd. T 1 E E 23 E S 8 B T.

Land, mountainous.

Soil, gravelly loam; 3rd rate.

Timber, pine and aspen.

Undergrowth, service berry, cherry, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, E.C.C. chs.

But, on a random line bet. secs. 9 and 10.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

60.14 Intersect N. and E. line, 10 lks. S. of the cor. of sec.
9, 10, 15, and 16.

Thence I run

S. 89° 50' W., or a true line bet. sec. 9 and 10.

Over mountainous land; through heavy aspen timber.
Desc.

3.10 Leave timber and enter dense sage brush, bears N. and S.

15.50 Creek, 3 lks. wide, 3 ins. deep, in bottom of Lamborn's

Draw, 40 ft. below sec. cor., course S. 20° W.

Asc.

12.00 Begin abrupt ascent, bears E. 20° E. and S. 20° W.

Enter scattering timber, bears E. 20° E. and S. 20° W.

40.07 Set a sandstone, 2x10x5 ins., 15 ins. in the ground, for
 $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{2}$ on E. face; from which

Subdivision of T¹ N² E²³ -Continued

- Chains. A pine, 12 ins. dia., bears N. 35° 40' E., 40 lks. dist.
mkd. $\frac{1}{2}$ S. B. T.
- A pine, 14 ins. dia., bears S. 25° E., 35 lks.
dist. mkd. $\frac{1}{2}$ S. 16. B. T.
- 70.00 Top of divide ridge bet. Lambson's Draw and Davenport
Draw, 900 ft. above canon, bears NE and SW.
Desc.
- 80.14 The cor. of secs. 8, 9, 16, and 17.
Land, mountainous.
Soil, clay and gravelly loam; 2nd rate.
Timber, pine and aspen.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.14 chs.
June 28, 1906: At this cor. I set off 23° 19' N., on the
decl. arc; and at 6 h 2 m p.m., l.m.t., I observe the sun
on the meridian, the resulting lat. is 40° 50' N., which is
the proper lat. nearly.
-
- N. 0° 2' W., bet. secs. 8 and 9.
Over mountainous land; though dense undergrowth and
scattering timber.
Desc.
- 4.00 Bottom of hollow, 50 ft. below sec. cor., course NW.
Asc.
- 10.00 Top of ridge, 75 ft. above hollow, bears NW and SE.
Desc.
- 30.00 Bottom of hollow, 200 ft. below ridge, course W.
Asc.
- 40.00 Set a red sandstone, 30x12x8 ins., 22 ins. in the ground,
for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

Subdivision of T 1 N. R. 3 E. -Continued

Chains	A pine, 18 ins. dia., bears S. 58° 20' E., 112 lks. dist., mkd. $\frac{1}{4}$ E & B T.
	A pine, 20 ins. dia., bears S. 65° 10' W., 82 lks. dist., mkd. $\frac{1}{4}$ S & B T.
70.00	Top of ridge, 500 ft. above hollow, bears N. 80° E. and S. 80° W. Desc.
80.00	Set a sandstone, 24x12x5 ins., 18 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, mkd. with 5 notches on E. and 4 notches on W. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pine and aspen.
	Undergrowth, sage and buck brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
<hr/>	
	N. 89° 56' E., on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9, and 10.
	Thence I run
	S. 89° 58' W., on a true line bet. secs. 4 and 9.
	Over mountainous land; through heavy timber, and dense undergrowth.
	Asc.
25.00	Top of divide ridge bet. Lambson's Draw and Davenport Draw, 200 ft. above sec. cor., bears N. 40° E. and S. 40° W.
	Desc.
40.01	A red pine, 16 ins. dia., for $\frac{1}{4}$ sec. cor., I mark $\frac{1}{4}$ S 4 on N. side, S 9 on S. side, from which

Subdivision of T.1 N., R.23 E.-Continued.

Chains	
	A pine, 12 ins. dia., bears N. 10° E., 9 lks. dist. mkd. $\frac{1}{4}$ S 4 E T.
	A pine, 10 ins. dia., bears S. 12° W., 13 lks. dist. mkd. $\frac{1}{4}$ S 9 E T.
75.00	Leave heavy and enter scattering timber, bears N. and S.
80.02	The cor. of secs. 4, 5, 8, and 9. Land, mountainous. Soil, gravelly; 3rd rate. Timber, pine and aspen. Undergrowth, sage, service berry, aspen saplings, and buck brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.02 chs.
June 28, 1906.	
June 28, 1906: At 7 h 3 m a.m., l.m.t., I set off 40° 50' N. on the lat. arc; 23° 17' N., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 8, and 9. Thence I run 10 For reasons already explained. N. 0° 2' W., on true line bet. secs. 4 and 5. Over mountainous land; through dense undergrowth, and scattering timber. Desc. 5.00 Enter heavy timber, bears E. and W. 36.00 Spring branch, 2 lks. wide, 1 in. deep, on side of mountain, course W. 40.00 Set a sandstone, 15x12x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. 1 mkd. $\frac{1}{4}$ on W. face; from which	

Subdivision of T.1 N., R.23 E.-Continued.

Chains	<p>A pine, 10 ins. dia., bears N. 58° E., 35 lks. dist..mkd. $\frac{1}{4}$ S 4 B T.</p> <p>An aspen, 6 ins. dia., bears N. 80° 30' W., 53 lks. dist..mkd. $\frac{1}{4}$ S 5 B T.</p>
70.00	<p>Bottom of hollow, 900 ft. below sec. cor., course S. 70° W. Asc.</p>
76.00	Leave heavy and enter scattering timber, bears E. and W.
80.88	<p>Intersect N. bdy. of Tp., 1.00 chs. East of the cor. of secs. 4, 5, 32 and 33, heretofore described.</p> <p>Set a sandstone, 20x14x5 ins., 15 ins. in the ground, for closing cor. of secs. 4 and 5, mkd. C C on S., with 4 grooves on E. and 2 grooves on W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.</p> <p>Note: I destroy all marks on the cor. of secs. 4, 5, 32, and 33, which pertain to secs. 4 and 5.</p> <p>Land, mountainous.</p> <p>Soil, gravelly ; 3rd rate.</p> <p>Timber, pine and aspen.</p> <p>Undergrowth, sage and buck brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.88 chs.</p> <p>June 29, 1906: At this cor. I set off 23° 16' N., on the decl. arc; and at 6 h. 3 m. p.m., 1 m. l.t. observe the sun on the meridian, the resulting l.t. is 40° 51' N., which is the proper lat. nearly.</p>
	<p>From the cor. of secs. 8, 9, 16, and 17.</p> <p>I run on sectional correction line,</p> <p>West, on a true line bet. secs. 8 and 17.</p> <p>Over mountainous land; through scattering timber and dense undergrowth of aspen sapplings and young pines.</p> <p>Desc.</p>

Subdivision of T.1 N., R.23 E. - Continued.

- Chains.
- 40.00 Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
- A pine, 12 ins. dia., bears N. 6° E., 48 lks.
dist. mkd. $\frac{1}{4}$ S 8 B T.
- A pine, 14 ins. dia., bears S. 86° E., 57 lks.
dist. mkd. $\frac{1}{4}$ S 17 B T.
- 76.00 Leave timber, bears N. and S.
- 77.00 Bottom of hollow, 1000 ft. below sec. cor., course N. 20° E.
Asc. gradually through dense sage brush.
- 80.00 Set a sandstone, 15x12x8 ins., 10 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, mkd. with 4 notches on S. and 5 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
- Soil, clay and gravelly loam; 2nd rate.
- Timber, pine and aspen.
- Undergrowth, sage and buck and cherry.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth.
- 80.00 chs.

June 29, 1906.

June 30, 1906. At 7 h 3 m a.m., l.m.t., I set off 40° 50' N., on the lat. arc; 23° 14' N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 7, 8, 17, and 18.

Thence I run

Note: Knowing that this line will not intersect the cor. of secs. 17, 18, 19, and 20 within limits, S. 0° 4' E., on a true line bet. secs. 17 and 18.

Subdivision of T.1 N., R.23 E.-Continued.

Chains.	Over mountainous land; through dense sage brush.
	Desc.
8.00	Bottom of hollow, 20 ft. below sec. cor., course N. 20° E. Asc. gradually.
20.00	Leave sage and enter heavy timber, bears N. 20° E. and S. 20° W.
40.00	Set a sandstone, 15x14x6 ins., 10 ins. in the ground, for sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A pine, 10 ins. dia., bears S. 62° 30' E., 67 lks. dist., mkd. $\frac{1}{4}$ S 17 B T. A pine, 8 ins. dia., bears S. 53° 45' W., 33 lks. dist., mkd. $\frac{1}{4}$ S 18 B T.
45.00	Top of ridge, 150 ft. above hollow, bears E. and W. Desc.
53.00	Leave timber and enter dense sage brush, bears E. and W.
58.00	Bottom of hollow, 100 ft. below ridge, course W. Asc.
67.50	Spring branch, 1 lk. wide, 1 in. deep, course NW.
85.75	Top of low divide ridge bet. Davenport Draw and Kettle Creek, 50 ft. above hollow, bears E. and W. Desc. gradually.
87.90	Intersect E. and W. line, 9.74 chs. N. 89° 12' E., of the cor. of secs. 17, 18, 19, and 20, heretofore described. Set a sandstone, 15x10x10 ins., 10 ins. in the ground, for closing cor. of secs. 17 and 18, mkd. C C on N., with 5 grooves on E. and 3 grooves on S. faces; from which A pine, 10 ins. dia., bears N. 12° 35' E., 195 lks. dist., mkd. T 1 N R 23 E S 17 B T. A pine, 10 ins. dia., bears N. 52° 45' W., 319 lks. dist., mkd. T 1 N R 23 E S 18 B T.
	Note: I destroy all marks on the cor. of secs. 17, 18, 19, and 20 which pertain to secs. 17 and 18.
	Land, mountainous
	Soil, clay and gravelly loam; 2nd rate.
	Timber: pine and aspen.

Subdivision of T.1 N. 2 R. 23 E. -Continued.

Chains	Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 87.90 chs. June 30, 1906: At the noon hour sky overcast, solar observations impossible.
	From the cor. of secs. 7, 8, 17, and 18. I run For reasons already explained, on sectional correction line West, on a true line bet. secs. 7 and 18. Over mountainous land; through dense sage brush. Asc. gradually.
7.00	Top of low ridge, 25 ft. above sec. cor., bears N. 10° E. and S. 10° W. Desc. gradually.
20.40	Creek, 2 lks. wide, 3 ins. deep, in bottom of Davenport Draw, 50 ft. below ridge, course N. Asc.
34.00	Enter heavy timber, bears N. and S.
40.00	Set a red sandstone, 20x14x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which A pine, 8 ins. dia., bears N. 10° E., 74 lks. dist. mkd. $\frac{1}{4}$ S 7 B T. An aspen, 4 ins. dia., bears S. 32° W., 6 lks. dist. mkd. $\frac{1}{4}$ S 18 B T.
50.00	Top of rocky ridge, 350 ft. above hollow, bears N. 10° W. and S. 10° E. From this point a cabin bears S. 23° 33' E., about 39.00 chs. belongs to Willard Williams. A small reservoir bears S. 26° 15' E., about 49.00 chs. dist. it is the head of two ditches, claimed by Willard Williams. A small reservoir bears S. 20° 15' W., about 30.00 chs.

Subdivision of T. 1 N., R. 23 E., -Continued.

Chains dist., also claimed by Willard Williams.

66.00 Creek, 2 lks. wide, 3 ins. deep, 200 ft. below ridge, course S. This creek is in hollow.
Asc.

89.96 Intersect W. bdy. of Tp., 8.74 chs. N. of the cor. of secs. 7, 12, 13, and 18, heretofore described.

Set a sandstone, 24x16x8 ins., 18 ins. in the ground, for closing cor. of secs. 7 and 18, mkd. C C on E. with 2 grooves on N. and 4 grooves on S. faces; from which

An aspen, 6 ins. dia., bears N. 65° 10' E., 54 lks. dist., mkd. T 1 N R 23 E S 7 B T.

An aspen, 6 ins. dia., bears S. 69° 40' E., 64 lks. dist., mkd. T 1 N R 23 E S 18 B T.

Note: I destroy all marks on the cor. of secs. 7, 12, 13, and 18 which pertain to secs. 7 and 18.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pine and aspen.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 89.00 chs.

From the cor. of secs. 7, 8, 17, and 18.

N. 0° 3' W., bet. secs. 7 and 8.

Over mountainous land; through dense sage brush.

Asc. gradually.

40.00 Set a sandstone, 24x8x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T.1 N R.23 E.-Continued.

Chains	
45.00	Top of low ridge, 50 ft. above sec. cor., bears N. 10° E. and S. 10° W.
	Desc.
80.00	Set a sandstone, 18x8x7 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, mkd. with 5 notches on S., and E. edges; and raise a mound of stone 2 ft. base, 1½ ft. high, " of cor.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.

June 30, 1906.

July 1, 1906: At 7 h 3 m a.m., l.m.t., I set off 40° 50' N., on the lat. arc; 23° 11' N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 5, 6, 7, and 8.

Thence I run

East, on a random line bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

79.86 Intersect N. and E. line at the cor. of secs. 4, 5, 8, and 9.

Thence I run

West, on a true line bet. secs. 5 and 8.

Over mountainous land; through dense undergrowth and scattering timber.

Desc.

39.93 Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for

Subdivision of T.1 N., R.23 E.-Continued.

Chains	
	<p>$\frac{1}{4}$ sec.cor..mkd.$\frac{1}{4}$ on N.face.;from which</p> <p>A pine,10 ins.dia. bears N.72°E.,72 lks. dist..mkd.$\frac{1}{4}$ S 5 B T.</p> <p>A pine,11 ins.dia.,bears S.48°W.,72 lks. dist..mkd.$\frac{1}{4}$ S 8 B T.</p>
68.00	<p>Creek,2 lks.wide,2 ins.deep,in hollow,600 ft.below sec. cor.,course N.</p> <p>Asc.</p>
74.00	<p>Top of low ridge,50 ft.above hollow,bears N.10°E.and S.10°W.</p> <p>Desc.</p>
79.86	<p>The cor.of secs.5,6,7,and 8.</p> <p>Land,mountainous.</p> <p>Soil,gravelly loam;2nd rate.</p> <p>Timber,pine and aspen.</p> <p>Undergrowth,sage,service berry,cherry and buck brush.</p> <p>Good grass for grazing.</p> <p>Mountainous land,or land covered with dense undergrowth, 79.86 chs.</p>
	<p>For reasons already explained I run</p> <p>West,on a true line bet.secs.6 and 7.</p> <p>Over mountainous land;through dense sage brush.</p> <p>Desc.</p>
7.50	<p>Creek,3 lks.wide,3 ins.deep,in bottom of Davenport Draw 30 ft.below sec.cor.,course N.30°E.</p> <p>Asc.</p>
30.00	Enter heavy timber,bears N.and S.
40.00	<p>Set a sandstone,18x12x5 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor..mkd.$\frac{1}{4}$ on N.face;from which</p> <p>A pine,20 ins.dia.,bears N.12°20'E.,106 lks.</p>

Subdivision of T 1 N R 23 E Continued

Chains	dist..mkd. $\frac{1}{2}$ S 6 B T. An aspen, 6 ins. dia., bears S. 16° 50' W., 58 lks. dist..mkd. $\frac{1}{2}$ S 7 B T.
55.00	Top of ridge, 500 ft. above hollow, bears NW and SE. Desc.
64.00	Bottom of hollow, 300 ft. below ridge, course S. 30° E. Asc.
90.09	Intersect W. bdy. of Tp., 8.84 chs. North of the cor. of secs. 1, 6, 7, and 12, heretofore described. Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for closing cor. of secs. 6 and 7, mkd. C C on E. with 1 groove on N. and 5 grooves on S. faces; from which A pine, 9 ins. dia., bears N. 53° 35' E., 63 lks. dist..mkd. T 1 N R 23 E S 6 B T. A pine, 7 ins. dia., bears S. 45° 40' E., 43 lks. dist..mkd. T 1 N R 23 E S 7 B T. Note: I destroy all marks on the cor. of secs. 1, 6, 7, and 12 which pertain to secs. 6 and 7. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, pine and aspen. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 90.09 chs. July 1, 1906 At 6 h 3 m p.m. the sky is overcast and solar observations are impossible. For reasons already explained I run N. 0° 3' W., on a true line bet. secs. 5 and 6. Over mountainous land; through dense sage brush. Desc.

subdivision of T.1 N., R. 23 E. - Continued.

Chains	
8.50	Creek, 3 lks. wide, 3 ins. deep, in bottom of Lavenport Draw, 50 ft. below sec. cor., course N. 40° E. Asc.
18.00	Ridge, 40 ft. above hollow, bears N. 30° E. and E. 30° W. Desc.
37.50	Came Creek, 10 lks. wide, 1 ft. deep, course N. 80° W. Asc.
40.00	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for sec. cor., mkd. 4 on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
41.00	Begin abrupt ascent over ledges, bears E. and W.
43.00	Leave sage brush, and enter dense cherry, service berry, and larb, bears E. and W.
44.50	Enter heavy timber, bears E. and W.
80.90	Intersect N. bdy. of Tp., 115 lks. East of the cor. of secs. 5, 6, 31, and 32, heretofore described. Set a sandstone, 10x10x8 ins., 11 ins. in the ground, for closing cor. of secs. 5 and 6, mkd. with C C on S., with 5 grooves on E. and 1 groove on W. face; from which A pine, 8 ins. dia., bears S. 28° 55' E., 86 lks. dist., mkd. T 1 N R 23 E S 5 B T. An aspen, 5 ins. dia., bears S. 21° 45' W., 65 dist., mkd. T 1 N R 23 E C C B T. Note: I destroy all marks on the cor. of secs. 5, 6, 31, and 32, which pertain to secs. 5 and 6. Land mountainous. Soil, gravelly; 3rd rate. Timber, pine and aspen. Undergrowth, sage brush, larb, service berry and larb. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.96 chs.

July 1, 1906.

Subdivision of T. 1 N. R. 23 E.- Concluded.

General Description.

This township is rolling mountains in the southern part and very high and rough mountains in the central and northern parts There is some good land along Jackson Draw and Davenport Draw.

The soil is generally clay and gravelly loam, 2nd rate; but there are numerous rock slides which choke out all vegetation.

Pine and aspen timber cover practically the whole township except in the bottom of Jackson Draw and Davenport Draw, which produce a dense growth of sagebrush.

Nearly the whole township is covered with a dense growth of sage, service berry, cherry, larb, and buck brush.

The township is well watered by creeks in Jackson Draw, Davenport Draw, and Lambson's Draw, and by numerous springs.

Joseph P. Hacking has about 14 acres ploughed and fenced on his Desert Entry claim in sec. 26. Value of improvements about \$150.00.

Mark Hall has about 13 acres ploughed and fenced on his Desert Entry claim in secs. 13 and 14. Value of improvements about \$140.00.

Mary E. Hacking has about 5 acres fenced, and about 2 acres ploughed on her Desert Entry claim in W. $\frac{1}{2}$ of SW $\frac{1}{4}$ sec. 14, not seen from line. Value of improvements about \$50.00.

Willard Williams has developed springs and ditches on his Desert Entry claim in sec. 18, to the extent of about \$100.00.

I did not see Walter M. McCoy, Henry L. Green, or Amorest L. Green, or their improvements.

I found no trace of mineral in this township.

Scott P. Stewart.
U.S. Deputy Surveyor.

Volume
#
R0337

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.
For final affidavits see book "Z¹⁴" Tp. 2 N., R. 21 E. _____, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

_____ of the _____
_____ meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
rner monuments established, according to the instructions furnished by the United States Surveyor
eneral for _____

For final affidavits see book "Z¹⁴" Tp. 2 N., R. 21 E. _____, Chainman.
_____, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

described and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

1. I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavit see book "Z" ¹⁴ Tp.2 N., R. 31 E.

and meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor-General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surgeon

Subscribed by said _____ and sworn to before me
this _____ day of _____, 1960



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 15, 1907

The foregoing field notes of the survey of the Subdivisional Line of Township No. 1 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah.

executed by Scott P. Stewart and John R. Stewart
under his contract No. 225, dated April 30, 1906, having:
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

United States Surveyor Gen...

I certify that the foregoing transcript of the field notes of the above-described surveys in
....., has been correctly copied from the original notes on file in this office.

United States Surveyor Gen.

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BOOK A-337

U.

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

of

Township No. 2 North, Range No. 23 East.

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Scott P. Stewart and John F. Stewart, United States Deputy Surveyors

under ~~his~~ their Contract No. 295, dated April 30, 1906, 190

Survey commenced July 4, 1906, 190x

Survey completed July 7, 1906, 190x

Sept 6-06-06 ✓

195

FILED

JAN 3 1907

23.18

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Spainsbury

Chairman

Andrew T. Rasmussen

Chairman

George W. Worthen Jr.

Roundman

Erasmus Borgquist

Roundman

R. Bert Carter

Axman

David H. Armstrong

Axman

Roger W. Jessup

Flagman

For preliminary affidavits see book "0" Tp. 1 N.. R. 23 E.

BOOK A-337

INDEX DIAGRAM.

Township 2 North, Range 23 East

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman
_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman
_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman
_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



North bdy. T. 2 N., R. 23 E. - Continued.

Chains set, 5.00 chs. N. of cor.; this mark falls 0.4 ins. east of the meridian established by Polaris observation:

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0^{\circ}23'$ west and $0^{\circ}21'$ east of the meridian established by Polaris observation.; therefore I concluded that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 7 h 30 m a.m. is $N. 16^{\circ}35' W.$, the angle thus determined gives the mag. decl. $16^{\circ}35' E.$,

From the cor. of Tps. 2 and 3 N., Rs. 23 and 24 E., which is a sandstone, 6x12x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, thence I run

West, on random line along north bdy. Tp., setting temp. $\frac{1}{2}$ sec. and sec. cōrs. at intervals of 40.00 chs. and at 485.16 chs. intersect Ashley Guide Meridian, 10.00 chs. North of temp. cor. of Tps. 2 and 3, N., Rs. 22 and 23 E., The falling is out of limits; therefore I return to the cor. of Tps. 2 and 3 N., Rs. 23 and 24 E., and proceed to run the north. bdy. west on true line as follows:

July 5, 1906.

July 6, 1906: At 7 h 4 m a.m., l.m.t., I set off $40^{\circ}57' N.$, on the lat. arc; $22^{\circ}47' N.$, on the decl. arc; and determined meridian with the solar at the cor. of Tps. 2 and 3 N., Rs. 23 and 24 E.

thence I run

West, on true line bet. sec. land 30.

Over mountainous land; through dense sage brush.

Desc.

North bdy. T. 2 N., R. 23 E. - Continued.

Chains

- 8.00 Enter heavy cedar and pinon pine timber, bears N. and S.
- 40.00 Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for
 sec. cor. mkd. $\frac{1}{2}$ on N. face; from which
 A cedar, 8 ins. dia., bears N. 42° 6' W., 119 lks.
 dist. mkd. $\frac{1}{2}$ S 36 B T.
 A cedar, 8 ins. dia., bears S. 32° 5' W., 112 lks.
 dist. mkd. $\frac{1}{2}$ S 1 B T.
- 50.00 Leave heavy and enter scattering timber, bears N. and S.
- 56.50 Head of hollow, 150 ft. below Tp., cor., course SW.
 Asc.
- 60.00 Leave timber, bears N. and S.
- 70.00 Top of ridge, 40 ft. above hollow, bears NE and SW.
 Desc.
- 78.00 Enter scattering timber, bears N. and S.
- 80.00 Set a sandstone, 24x14x4 ins., 18 ins. in the ground, for
 cor. of secs. 1, 2, 35, and 36, mkd. with 1 notch on E. and 5
 notches on W. edges; from which
 A cedar, 8 ins. dia., bears S. 23° 45' E., 95 lks.
 dist. mkd. T 2 N R 23 E S 1 B T.
 A cedar, 10 ins. dia., bears S. 28° 45' W., 138 lks.
 dist. mkd. T 2 N R 23 E S 2 B T.
- No other trees within limits; raise a mound of stone, 2 ft.
 base, 1 1/2 ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly loam; 2nd rate.
- Timber, pine and cedar.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous or heavily timbered land or land covered
 with dense undergrowth, 80.00 chs.

West, on a true line bet. sec. 2 and 35.

Overmountainous land; through dense sage brush and scat-

North bdy.T.2 N.,R.23 E.-Continued.

Chains	tering timber.
	Desc.
2.00	Leave timber,bears N.and S.
32.50	Enter scattering timber,bears NE and SW.
39.75	Bottom of hollow,100 ft.below sec.cor.,course S.55°W.
	Asc.
40.00	Set a sandstone,16x12x6 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on N.face;from which A cedar,10 ins.dia.,bears N.0°30'W.,254 lks. dist..mkd. $\frac{1}{4}$ S 35 B T. A cedar,8 ins.dia.,bears S.50°25'E.,180 lks. dist..mkd. $\frac{1}{4}$ S 2 B.T.
44.00	Top of spur,10 ft.above hollow,bears N.and S.
	Desc.
50.75	Bottom of hollow,20 ft.below spur,course S.20°W.,
	Asc.
56.00	Top of spur,30 ft.above hollow,bears N.and S.
	Desc.
79.50	Spring branch,3 lks.wide,2 ins .deep,in broad hollow, 30ft.below spur,course S.
	Asc.gradually.
80.00	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for cor.of secs.2,3,34,and 35,mkd.with 2 notches on E.and 4 notches on W.edges;and raise a mound of stone,2 ft. base,1 $\frac{1}{2}$ ft.high,W.of cor.
	Land,mountainous.
	Soil,clay and gravelly loam;2nd rate.
	Timber,pinon pine and cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
80.00 chs.	
	July 6,1906:At this cor.I set off 22°45'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°57'N.,which is the

North bdv. " N. R 23 E -Continued

Chains proper lat. nearly.

West, on true line bet. secs. 3 and 34.

Over mountainous land; through dense undergrowth.

Asc. gradually.

18.00 Enter scattering timber, bears N. and S.

23.00 Top of spur, 100 ft. above sec. cor., bears N. and S.

Desc.

29.00 Creek, 5 lks. wide, 4 ins. deep, in hollow, 100 ft. below spur, course S.

Asc.

33.00 Ledge, 10 ft. high, bears N. and S.

40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for sec. cor.. mkd. $\frac{1}{4}$ on N. face; from whichA cedar, 13 ins. dia., bears S. $62^{\circ}30'E.$, 167 lks.
dist.. mkd. $\frac{1}{4}$ S 3 B T.No other trees within limits; raise amount of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

77.00 Top of spur, 200 ft. above hollow, bears N. and S.

Desc.

80.00 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, mkd. with 3 notches on E., and W. edges; from which

A cedar, 8 ins. dia., bears N. $48^{\circ}10'E.$, 103 lks.
dist.. mkd. T 3 NR 23 E S 34 B T.A cedar, 7 ins. dia., bears S. $28^{\circ}20'E.$, 46 lks.
dist.. mkd. T 2 N R 23 E S 3 B T.A cedar, 8 ins. dia., bears S. $37^{\circ}30'W.$, 68 lks.
dist.. mkd. T 2 N R 23 E S 4 B T.A cedar, 6 ins. dia., bears N. $32^{\circ}15'W.$, 134 lks.
dist.. mkd. T 3 N R 23 E S 33 B T.

Land, mountainous (rolling.)

North E 1 T 2 R 23 E Continued

Chains Soil, gravelly loam; 2nd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 80.00 chs.

July 6, 1906.

July 7, 1906: at 7 h 4 m a.m., l.m.t., I set off $40^{\circ}57'N.$,
 on the lat. arc; $22^{\circ}41'N.$, on the decl. arc; and determine a
 meridian, with the solar at the cor. of secs. 3, 4, 33, and
 34.

Thence I run

West, on a true line bet. secs. 4 and 33.

Over mountainous land; through scattering timber and
 dense undergrowth.

Desc.

16.00 Bottom of hollow, 100 ft. below sec. cor., course $S. 60^{\circ} E.$
 Asc.

40.00 Set a sandstone, $24 \times 12 \times 14$ ins., 18 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

67.00 Top of ridge, 200 ft. above hollow, bears N. and $S. 80^{\circ} E.$
 Desc.

77.30 Ledge, 5 ft. high, bears N. and S.

80.00 Set a sandstone, $16 \times 8 \times 8$ ins., 11 ins. in the ground, for
 cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and
 2 notches on W. edges; from which

A pinon pine, 5 ins. dia., bears $N. 19^{\circ} 30' E.$, 53
 lks. dist. mkd. T 3 N R 23 E S 33 B T.

A pinon pine, 7 ins. dia., bears $S. 41^{\circ} 10' E.$, 75
 lks. dist. mkd. T 2 N R 23 E S 4 B T.

North bdy. T. 2 N. ? R. 23 E. Continued.

Chains

A pinon pine, 5 ins. dia., bears S. $17^{\circ}50'W.$, 73
lks. dist. mkd. T 2 N R 23 E S 5 B T.

A cedar, 5 ins. dia., bears N. $67^{\circ}14'W.$, 93 lks.
dist. mkd T 3 N R 23 E S 32 B T.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pinon pine and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

West, on a true line bet. secs. 5 and 32.

Over mountainous land; through dense undergrowth and
scattering timber

Desc.

1.60 Bottom of hollow, 150 ft. below sec. cor., course S.

Asc.

7.00 Top of spur, 30 ft. above hollow, bears N. and S.

Desc.

20.30 Bottom of hollow, 100 ft. below ridge, course S.

Asc.

39.00 Enter heavy timber, bears NW and SE

40.00 Set a sandstone, 24x18x8 ins., 18 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A pinon pine, 5 ins. dia., bears N. $70^{\circ}30'E.$, 53

lks. dist. mkd. $\frac{1}{4}$ S 32 B T.

A pinon pine, 5 ins. dia., bears S. $6^{\circ}40'E.$, 65

lks. dist. mkd. $\frac{1}{4}$ S 5 B T.

44.00 Top of ridge, 200 ft. above hollow, bears N. $80^{\circ}W.$ and S. $80^{\circ}E.$

Desc.

North bdv. T. 2 N., R. 23 E. Continued.

Chains

52.00 Head of swale, 100 ft. above hollow, course N. 60° W.,

Asc.

70.00 Top of ridge, 60 ft. above hollow, bears N. and S.

Desc.

80.00 Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, mkd. with 5 notches on E. and 1 notch on W. edges; and from which

A pine, 30 ins. dia., bears N. 50° 40' E., 190 lks.

dist..mkd. T 3 N R 23 E S 32 B T.

A pine, 5 ins. dia., bears S 30° 16' E., 45 lks.

dist..mkd. T 2 N R 23 E S 5 B T.

A pine, 7 ins. dia., bears S. 34° 14' W., 65 lks.

dist..mkd. T 2 N R 23 E S 6 B T.

A pine, 10 ins. dia., bears N. 45° W., 255 lks.

dist..mkd. T 3 N R 23 E S 31 B T.

Land, mountainous.

Soil, clay and gravelly loam; 2nd rate.

Timber, pinon pine, long leaf pine, and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

July 7, 1906: At the noon hour the sky is overcast and solar observations are impossible.

West, on true line bet. secs. 5 and 31.

Over mountainous land; through heavy timber and scattering undergrowth.

Desc.

12.00 Top of ledge, 40 ft. high, bears N. and S.

North bdy.T.2 N.,R.23 E.-Continued.

Chains	
38.50	Leave heavy and enter scattering timber,bears N.and S.
40.00	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for sec.cor..mkd. $\frac{1}{4}$ on N.face;from which A pinon pine,8 ins.dia.,bears N.16°30'E.,158 lks.dist..mkd. $\frac{1}{4}$ S 31 B T. A cedar,18 ins.dia. bears S.84°10'E.,199 lks. dist..mkd. $\frac{1}{4}$ S 6 B T.
45 00	Bottom of hollow,500 ft.below ridge,course S.70°W., Asc.along side of ridge.
55.00	Top of spur,150 ft.above hollow,bears N.and S. Desc.
60.00	Bottom of swale,100 ft.below spur,course S. Asc.
69.00	Top of spur,100ft.above hollow,bears N.70°E.and S.70°W. Desc.
77.25	Bottom of hollow,250 ft.below spur,course S.10°W. Asc.
85.16	Intersect Ashley Guide Meridian,10.00 chs.North of the temp.cor.of Tps.2 and 3 N.,Rs.22 and 23.E.,set by me, which,I now destroy, and Set a sandstone,36x10x8 ins.,24 ins.in the ground,for cor.of Tps.2 and 3 N.,Rs.22 and 23 E.,mkd.with 6 notches on each edge;from which A pinon pine,14 ins.dia.,bears S.23°13'E.,129 lks.dist..mkd.T 2 N R 23 E S 6 B T. A pinon pine,16 ins.dia.,bears S.31°55'W.,83 lks.dist..mkd.T 2 N R 22 E S 1 B T. A cedar,6 ins.dia.,bears N.61°54'W.,142 lks. dist..mkd.T 3 N R 22 E S 36 B T.
	No other trees within limits;raise a mound of stone, 2 ft.base,1 $\frac{1}{2}$ ft.high,S.of cor. Land,mountainous. Soil,gravelly loam;2nd rate. Timber,pine and cedar. Undergrowth,sage and buck brush.

North bdy. T 2 N. R 23 E -Continued

Chains Good grass for grazing.

Mountainous or heavily timbered land, 85.16 chs.

July 7, 1906.

General Description.

This township is rough and mountainous, very broken north of Green River, which runs through the central part of the township from west to east. It is well watered and well timbered and should be subdivided.

Boundaries of T. 2 N., R. 23 E.

Latitudes, departures and closing errors.

Line designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
S. bdy. T. 2 N., R. 23 E.	West	489.05	chs.	chs.	chs.	489.05
Ashley Guide Mer.	North	490.00	490.00			
N. bdy. T. 2 N., R. 23 E.	East	485.16			485.16	
E. bdy. T. 2 N., R. 23 E.	S. 0° 26' E.	80.50		80.50	.50	
E. bdy. T. 2 N., R. 23 E.	S. 0° 11' E.	78.90		78.90	.25	
E. bdy. T. 2 N., R. 23 E.	S. 1° 1' E.	60.99		60.98	1.08	
E. bdy. T. 2 N., R. 23 E.	S. 0° 15' E.	4.52		4.52	.02	
E. bdy. T. 2 N., R. 23 E.	S. 4° 45' E.	23.27		23.19	1.93	
E. bdy. T. 2 N., R. 23 E.	South	240.79		240.79		
Convergency					.63	
Totals			490.00	488.88	489.67	489.05
Error in lat.			488.88		489.05	
Error in dep.			1.12			.62

Fort O. Stewart.
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

For final affidavits see book "Z"¹² " Tp.2 N., R. 21 E., *Chainman*.

....., *Chainman*.

....., *Moundman*.

....., *Moundman*.

....., *Asman*.

....., *Asman*.

....., *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

..... United States Deputy Surveyor, in surveying all those parts or portions of the

..... of the meridian, of, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

For final affidavits see book "Z"¹² " Tp.2 N., R. 21 E., *Chainman*.

....., *Chainman*.

....., *Moundman*.

....., *Moundman*.

....., *Asman*.

....., *Asman*.

....., *Flagman*.

Subscribed and sworn to before me this }
day of, 190



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "Z"¹² Tp. 2 N., R. 21 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



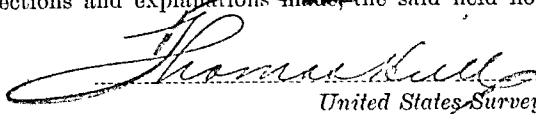
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 15, 1907

The foregoing field notes of the survey of the North Boundary of Township No. 2 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and John R. Stewart
under ^{their} contract No. 295, dated April 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

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X.
FIELD NOTES

OF THE SURVEY OF THE

ASHLEY GUIDE MERIDIAN

through

Township No. 3 North,

Between Ranges Nos. 25 and 23 East,

of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors,
their
under ~~xxx~~ Contract No. 265, dated April 30, 1906. ~~xxx~~
survey commenced July 25, 1906. ~~xxxx~~
survey completed July 26, 1906. ~~xxxxx~~

Survey of S. 21 V

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher	Chainman
Leo A. Snow	Chainman
Paul Ashworth	Chainman
Quinby Stewart	Chainman
Alden Oscar Gledhill	Moundman
John W. Pickering	Axman
John R. Llewellyn	Flagman

BOOK A-337

INDEX DIAGRAM.

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5	18	19	20	21	22	23
3	24	25	26	27	28	29
2	30	31	32	33	34	35

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE Harvey Fletcher, Leo A. Snow, Paul Ashworth, & Dumbly Stewart
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Ashley Guide Meridian through T. 3 N. R. 22 and 23 East of Salt Lake Base and Meridian, Utah

Harvey Fletcher, Chainman

Leo A. Snow, Chainman

Paul Ashworth, Chainman

Dumbly Stewart, Chainman

John R. Stewart
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 7th
day of June, 1906



WE Alden Oscar Glechhill and

do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the survey of the Ashley Guide Meridian through T. 3 N. R. 22 and 23 East of Salt Lake Base and Meridian, Utah

Alden Oscar Glechhill, Moundman

Subscribed and sworn to before me this 7th
day of June, 1906



John R. Stewart
U. S. Deputy Surveyor

WE John W. Pickering and

do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the survey of the Ashley Guide Meridian through T. 3 N. R. 22 and 23 East of Salt Lake Base and Meridian, Utah

John W. Pickering, Axman

Subscribed and sworn to before me this 7th
day of June, 1906



John R. Stewart
U. S. Deputy Surveyor

I, John R. Swelllyn, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Ashley Guide Meridian through T. 3 N. R. 22 and 23 East of Salt Lake Base and Meridian, Utah

John R. Swelllyn, Flagman

Subscribed and sworn to before me this 7th
day of June, 1906



John R. Stewart
U. S. Deputy Surveyor

Ashley Guide Meridian, through Tps. 3 N., bet. Rs. 22 and 23 East.

Survey commenced July 25, 1906; and executed with a Young and Sons light mountain transit, No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by Polaris observation; I proceed as follows:

At the cor. of Tps. 2 and 3 N., Rs. 22 and 23, E., heretofore described, latitude $40^{\circ}56'30''$ N., longitude $109^{\circ}22'48''$ W., I set off $40^{\circ}57'$ N., on the lat. arc; $19^{\circ}43'$ N., on the decl. arc; and at 4 h 6 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 11 h 18' p.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual, and mark a point thereof on a wooden plug set in the ground, 5.00 chs. N. of my station.

July 25, 1906.

July 26, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the meridian established by the

Ashley Guide Meridian through Tps. 2 and 3 N., bet Rs. 22 and 23 E. Cont

Chains solar.

At 7 h 6 m a.m., l.m.t., I set off $40^{\circ}57'N.$, on the lat. arc; $19^{\circ}36'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; on which the the meridian falls 0.33 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0'21''$ west and $0'17''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m. is $N.16^{\circ}40'W.$, the angle thus determined gives the mag. decl. $16^{\circ}40'E.$

From the cor. of Tps. 2 and 3 N., Rs. 22 and 23 E.

I run

North, bet. secs. 31 and 36.

Over mountainous land; through dense sage brush and scattering dead timber.

Asc.

15.00 Top of spur, 200 ft. above sec. cor., bears E. and W.

Desc.

26.00 Bottom of hollow, 300 ft. below spur, course E.

Asc.

30.00 Leave dead timber and enter heavy timber, bears E. and W.

Difference bet. measurements of 40.00 chs. by two sets of chainmen, is 4 lks., position of middle point,

By 1st set 39.98 chs.,

By 2nd set 40.02 chs. the mean of

which is

40.00 Set a quartzite stone, $14 \times 8 \times 5$ ind., 9 ins. in the ground, for

Abundant Meridian through Tns 31 N. bet Rs 22 and 23 E. Cont.

Chains $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

A pinon pine, 6 ins. dia., bears

S. 25° E., 45 lks. dist. mkd. $\frac{1}{4}$ S 31 B T.

A pinon pine, 4 ins. dia., bears N. 70° W., 31

lks. dist. mkd. $\frac{1}{4}$ S 36 B T.

46.50 Top of ridge, 600 ft. above hollow, bears N. 70° W. and S. 40° E.

Leave timber, bears with ridge.

Desc.

61.00 Bottom of swale, 200 ft. below ridge, course S. 30° E.

Asc.

80. Difference bet. measurements of 80.00 chs., by two sets of chainmen, is 10 lks.; position of middle point,

By 1st set 79.95 chs.

By 2nd set 80.05 chs., the mean of which is

80.00 Top of spur, 150 ft. above swale, bears N. 80° E. and S. 80° W.

Set a sandstone, 15x9x4 ins., 10 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, mkd. with 5 notches on N. and 1 notch on S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous

Soil, gravelly loam; 2nd rate.

Timber, pinon pine and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

North, bet. secs. 25 and 30.

Over mountainous land; through dense sage brush.

Desc.

9.00 Bottom of hollow, 200 ft. below sec. cor., course SW.

Asc.

Abley Guide Monitor through Tr. 3, bet. Rs 22 and 23 E. (Cont'd)

Chains

- 9.50 Enter sandstone ledges, bears NE and SW.
Enter heavy cedar and pinon pine timber, bears NE and SW.
- 20.00 Top of rocky ridge, 300 ft. above hollow, bears E. and W.
Leave timber and enter dense mahogany undergrowth, bears E. and W.
Desc.
- 28.00 Leave mahogany, bears E. and W. Continue in dense sage.
Difference bet. measurements of 40.00 chs. by two sets of chainmen, is .6 lks., position of middle point,
By 1st set 39.97 chs.
By 2nd set 40.03 chs.; the mean of which is
- 40.00 Set a quartzite stone, 18x11x4 ins., 12 ins. in the ground, for 4 sec. cor. mkd. on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 50.00 Foot of steep descent, 1000 ft. below ridge, bears E. and W.
Thence descend gradually.
Difference bet. measurements of 80.00 chs., by two sets of chainmen, is .8 lks., position of middle point;
By 1st set, 79.66 chs.,
By 2nd set, 80.04 chs., the mean of which is
- 80.00 Set a quartzite stone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, mkd. with 4 notches on N., and 2 notches on S. edges; dig pits, 18x16x12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land, mountainous. l.
Soil, gravelly loam; 2nd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush and mahogany.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
July 26, 1906: At this cor. I set off 19° 32' N., on the decl.

Ashley Guide Meridian through Tp. 3 N. bet. Rs. 22 and 23 E. Cont.

Chains arc; and at 0 h. 6 m. p.m., 1 m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}58'N.$, which is the proper lat. nearly.

North, bet. secs. 19 and 24.

Over mountainous land; through dense sage brush.

Desc. gradually.

39.75 Wash, 75 lks. wide, 10 ft. deep, in bottom of broad hollow, course W.

Asc. gradually.

40.00 Point for $\frac{1}{4}$ sec. cor. falls in wash, where it would be impossible to perpetuate a cor.; therefore Difference bet. measurements of 40.60 chs., by two sets of chainmen, is 4 lks.; position of middle point,

By 1st set 40.58 chs.,

By 2nd set 40.62 chs., the mean of which is

40.60 Set a quartzite stone, 16x7x7 ins., 11 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., mkd. W C on S., with $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

64.00 Commence steep ascent, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$

Enter heavy timber, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$

Difference bet. measurements of 80.00 chs., by two sets of chainmen, is 6 lks.; position of middle point,

By 1st set 79.97 chs.

By 2nd set 80.03 chs.; the mean of which is

80.00 Set a sandstone, 18x9x8 ins., 12 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, mkd. with 3 notches on N., and S. edges; from which

A cedar, 4 ins. dia., bears $N.51^{\circ}E.$, 40 lks.

dist..mkd. T 3 N., R. 23 E S 18 B T.

A cedar, 5 ins. dia., bears $S.80^{\circ}E.$, 29 lks.

dist..mkd. T 3 N R 23 E S 19 B T.

Ashley Guide Meridian through Tns 4 North bet Rs 23 and 23 E - Cor

Chains

A cedar, 4 ins. dia., bears S. 45° W., 8 lks.

dist. mkd. T 3 N R 22 E S 24 B T.

A cedar, 8 ins. dia., bears N. 20° W., 48 lks.

dist. mkd. T 3 N R 22 E S 13 B T.

Land, mountainous .

Soil, gravelly loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

North, bet. secs. 13 and 18.

Over mountainous land; through heavy timber and scattering sage brush.

Asc. abruptly over ledges.

4.00 Leave ledges, bears N. 80° W. and S. 80° E.

8.00 Top of rocky ridge, 200 ft. above sec. cor. bears N. 80° W. and S. 80° E.

Desc.

8.50 Leave timber, and enter dense mahogany undergrowth, bears E. and W.

Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 6 lks.; position of middle point,

By 1st set 39.97 chs.

By 2nd set 40.03 chs.; the mean of which is

40.00 Set a sandstone, 14x10x9 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

48.00 Leave undergrowth and enter heavy timber, bears E. and W.
Difference bet. measurements of 54.12 chs., by two sets of chainmen is 8 lks.; position of middle point,

Ashley Guide Meridian, through Tp. 3 N., Bet. Rs. 22 and 23 E. - Contd.

Chains

By 1st set 54.08 chs.

By 2nd set 54.16 chs., the mean of which is

54.12 Intersect Utah-Wyoming bdy. line, 27.84 chs., N. 89° 22' E., of the 280th mile cor., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for closing cor. of frac. l. Tps. 3 N., Rs. 22 and 23 E., mkd. C C U on S. ; W on N., with 6 grooves on E. and W. and 4 grooves on S. faces; from which

A cedar, 12 ins. dia., bears S. 44° 40' E., 53 lks. dist.. mkd. T 3 N R 23 E S 18 B T.

A cedar, 12 ins. dia., bears S. 57° 30' W., 57 lks. dist.. mkd. T 3 N R 22 E S 13 B T.

Land, mountainous .

Soil, gravelly loam and rocky; 2nd and 4th rate.

Timber, cedar and pinon pine,

Undergrowth, sage brush and mahogany.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 54.12 chs..

July 26, 1906.

GENERAL DESCRIPTION.

Townships 2 North, Ranges 22 and 23 East are partly high and steep and partly rolling hills and hollows. They produce a good growth grass and contain sufficient water in springs for grazing purposes.

John R. Stewart

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

John R. Stewart

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the *Ashley Guide Meridian through T. 3 N. bet. R. 22 and 23 East of Salt Lake Base and Meridian Utah* showing the respective capacities in which they acted:

Harvey Fletcher

....., Chainman.

Leo P. Snow

....., Chainman.

Paul Ashworth....., Chainman
....., Moundman.*Dunby Stewart*....., Chainman
....., Moundman.*Alden Oscar Blechitt*....., Moundman
....., Axman.*John W. Pickering*

....., Axman.

John R. Jewell

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

John R. Stewart

....., United States Deputy Surveyor, in surveying all

those parts or portions of the *Ashley Guide Meridian through T. 3 N. between R. 22 and 23 East*

..... of the *Salt*

Lake Base and meridian, State of Utah

....., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for *Utah**Harvey Fletcher*

....., Chainman.

Leo P. Snow

....., Chainman.

Paul Ashworth

....., Chainman.

Dunby Stewart

....., Chainman.

Alden Oscar Blechitt

....., Moundman.

John W. Pickering

....., Axman.

John R. Jewell

....., Flagman.

Subscribed and sworn to before me this *24th*day of *August*, 190 *6*

John R. Stewart
U. S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We Scott P. Stewart and John R. Stewart United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from *Thomas Hull* United States Surveyor General for *Utah*, bearing date of the *30th* day of *April*, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for *Utah*, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of *the Ashley Guide Meridian through Twp. 3 N. between R. 22 and 23 East*

of the *Salt Lake* Base and meridian, in the State of *Utah*, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for *Utah* and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Scott P. Stewart
and

Subscribed by said *John R. Stewart*, and sworn to before me }
this *30* day of *January*, 190*7*



Thomas Hull
U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 190*6*.

The foregoing field notes of the survey of *the Ashley Guide Meridian, through Township No. 3 North, Between Ranges Nos. 22 and 23 East, of the Salt Lake Base and Meridian, Utah,*

executed by *Scott P. Stewart and John R. Stewart* under his contract No. *295*, dated *April 30*, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

United States Surveyor General

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4-679.

BOOK A-337

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Y.

FIELD NOTES

RETRACEMENT
OF THE ~~SERIES~~ OF THE

UTAH-WYOMING BOUNDARY

through

Township No. 3 North, Range No. 23 East,

and

EAST BOUNDARY

of

Township No. 3 North, Range No. 23 East,

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

John R. Stewart and Scott P. Stewart, United States Deputy Surveyors,

their

Under ~~xxx~~ Contract No. 295, dated April 30, 1906. ~~xxx~~

Survey commenced July 26, 1906. ~~xxx~~

Survey completed July 28, 1906. ~~xxx~~

Chas. W. Ray 6-06-41 ✓
Robt. E. Bay 3-58-70 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher.....Chainman

Leo A. Snow.....Chainman

Paul Ashworth.....Moundman

Quinby Stewart.....Moundman

Alden Oscar Gledhill.....Axman

John W. Pickering.....Axman

John R. Llewellyn.....Flagman

.....

For preliminary affidavits see book "B" Tp. 4 S., R. 20 E.

.....

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BOOK A-337

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.
_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Retracement Utah-Wyoming Boundary Line, T.3 N., R.23 E.

Survey commenced July 26, 1906, and executed with a Young and Sons Light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the closing cor. of Tps. 3 N., Rs. 22 and 23 E., already described, latitude 41° N., longitude $109^{\circ} 22' 48''$ W., I set off 41° N., on the lat. arc; $19^{\circ} 30'$ N., on the decl. arc; and at 5 h 6 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 11 h 14 m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined, by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

July 26, 1906.

July 27, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls .28

Retracement: at H. h. Wyoming bdy. 3 N. R. 23 E. - Continued

Chains ins. east of the mark determined with the solar.
At 7 h 6 m a.m., l.m.t., I set off 41° N., on the lat. arc;
 $19^{\circ} 22'$ N., on the decl. arc; and mark the meridian determined
with the solar, by a cross on the stone already set 5.00
chs. N. of the cor.; this mark falls 0.38 ins. east of the
meridian established by Polaris observation.
The solar apparatus by p.m. and a.m. observations defines
positions for meridians respectively about $0^{\circ} 15'$ west and
 $0^{\circ} 20'$ east of the meridian established by Polaris obser-
vation; therefore I conclude that the adjustments of the
instrument are satisfactory.
The magnetic bearing of the meridian at 7 h 30 m a.m., is
N. $16^{\circ} 42'$ W., the angle thus determined gives the mag. decl.
 $16^{\circ} 42'$ E.

Note: On account of connections made I conclude to
retrace the Utah-Wyoming bdy., through this township and
also the east bdy. of the township; therefore from the
above described cor. I run
East, on retracement line along the 280th mile of Utah-
Wyoming bdy.

51.87 The 279th mile cor. on the bdy., which is a cedar post
6 ins. sq., 4 ft. above ground, firmly set, and mkd. and
witnessed as described by the surveyor general, bears
N. 57 lks. dist.

The course of this line is therefore N. $89^{\circ} 22'$ E., and dis-
tance 51.87 chs.

East, on retracement line along the 278th mile along
the Utah-Wyoming bdy.

80.75 The 278th mile cor. on the Utah-Wyoming bdy., which is a
cedar post 6 ins. sq., 4 ft. above ground, firmly set and

Retracement of Utah-Wyoming bdy. through T.3 N..R.23 E.-Continued.

Chains mkd. and witnessed as described by the surveyor general, bears North 73 lks. dist.

The course of this line is therefore N. 89° 29' E., and distance 80.75 chs.

East, on a retracement line along the 277th mile of the Utah-Wyoming bdy.

78.10 The 277th mile cor. of the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq., 4 ft. above ground, firmly set and mkd. and witnessed as described by the surveyor general, bears N. 71 lks. dist.

Thence course of this line is therefore N. 89° 29' E.
July 27th 1906: At this cor. I set off 19° 19' N., on the decl. arc; and at 0 h 6 m p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 41° N., which is the proper lat.

East, on a retracement line along the 276th mile of the Utah-Wyoming bdy.

79.34 The 276th mile cor. on the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set and mkd. and witnessed as described by the surveyor general, bears N., 72 lks. dist.

The course of this line is therefore N. 89° 29' E., and distance 79.34 chs.

East, on a retracement line along the 275th mile of the Utah-Wyoming bdy.

79.58 The 275th mile cor. on the Utah-Wyoming bdy., which is a cedar post 6 ins. sq., 5 ft. above ground, firmly set, and mkd.

Retracement of Utah-Wyoming bdy., through T. 3 N., R. 23 E., Cor. 1

Chains and witnessed as described by the surveyor general, bears N. 73 lks. dist.

The course of this line is therefore N. 89° 29' E. and distance 79.58 chs.

East, on a retracement line along the 274th mile of the Utah-Wyoming bdy.

79.47 The 274th mile cor. on the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq, 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 60 lks. dist.

The course of this line is therefore N. 89° 34' E., and distance 79.47 chs.

East on retracement line along the Utah-Wyoming bdy., 273rd mile.

37.30 The closing cor. of Tps. 3 N., Rs. 23 and 24 E., which is a sandstone, 6x12x8 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 28 lks. dist.

The course of this line is therefore N. 89° 34' E., and distance 37.30 chs.

July 27, 1906.

Retracement E.bdv.T.3 N.,R.23 E.-

July 28, 1906: At 7 h 6 m a.m., l.m.t., I set off 41° N., on the lat. arc; $19^{\circ}09'$ N., on the decl. arc; and determine a meridian at the closing cor. of Tps. 3 N., Rs. 23 and 24 E., just described.

Thence I run

For reasons already explained.

South, on retracement line bet. secs. 13 and 18.

18.20 The $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18, which is a sandstone, ledge, 20 ft. high, mkd. and witnessed as described by the surveyor general, bears W. 21 lks. dist.

58.20 The cor. of secs. 13, 18, 19, and 24, which is a stationary sandstone, $6 \times 4 \times 2$ ft. above ground, mkd. and witnessed as described by the surveyor general, bears W., 68 lks. dist. The course of this line is therefore $S. 0^{\circ} 40' W.$

South, on retracement line bet. secs. 19 and 24.

40.20 The $\frac{1}{4}$ sec. cor., bet. secs. 19 and 24, which is a sandstone, $6 \times 16 \times 8$ ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears east 47 lks. dist.

80.40 The cor. of secs. 19, 24, 25, and 30, which is a porphyry stone, $5 \times 7 \times 5$ ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears east .., 93 lks. dist.

The course of this line is therefore $S. 0^{\circ} 40' E.$

South, on a retracement line bet. secs. 25 and 30.

39.90 The $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30., which is a quartzite

Retracement of T.bdy.T.3 N.,R.23 E.-Continued.

Chains stone, 5x10x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 31 lks. dist.

79.85 The cor. of secs. 25, 30, 31, and 36, which is a limestone, 6x14x4 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W., 62 lks. dist.

The course of this line is therefore S. 0° 27' W., 79.85 chs July 28, 1906: At this cor. I set off 19° 05' N., on the decl. arc; and at O. h 6 m. p. m., l. m. t., I observe the sun on the meridian, the resulting lat. is 40° 57' N., which is the proper lat. nearly.

South, on retracement line bet. secs. 31 and 36.

40.10 The cor. sec. cor., bet. secs. 31 and 36, which is a feldspar 5x8x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 31 lks. dist.

80.25 The cor. of Tps. 2 and 3 N., Rs. 23 and 24 E., heretofore described, bears W., 62 lks. dist.

The course of this line is therefore S. 0° 27' W.

July 28, 1906.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

For final affidavits see book "24" Tp. 3 N., R. 22 E. _____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Arman.*

_____, *Arman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

For final affidavits see book "24" Tp. 3 N., R. 22 E. _____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Arman.*

_____, *Arman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____

day of _____, 190 _____

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "77" Tp. 3 N. R. 22 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, _____, 190____

The foregoing field notes of the ~~survey of~~ the Retracement of the Utah-Wyoming Boundary through Township No. 3 North, Range No. 23 East, and the East Boundary of Township No. 3 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Scott P. Stewart and John R. Stewart
under a contract No. _____ 295, dated _____ April 30 _____, 190____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and ~~thereby~~ they describe, are hereby approved.

Thomas Bell
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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EX. VII

4-679.

BOOK A-337

Z.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 3 North, Range No. 23 East.

Of the Sult Lake Base, and Meridian,

State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors,
their

Under ~~778~~ Contract No. 295, dated April 30, 1906. ~~778~~

Survey commenced July 28, 1906. ~~778~~

Survey completed August 5, 1906. ~~778~~

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High 36.60.78 ✓
City 12.08.28 ✓

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NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher

Chainman

Leo A. Snow

Chainman

Paul Ashworth

Moundman

Quinby Stewart

Moundman

Alden Oscar Gledhill

Axman

John W. Pickering

Axman

John R. Llewellyn

Flagman

For preliminary affidavits see book "C" Tp. 4 S., R. 20 E.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Subdivision of T. 3 N., R.23 E.

Survey commenced July 28, 1906, and executed with a Young and Sons light mountain transit No.7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, June 1, 1906.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of secs. 35 and 36 on S. bdy. of Tp. heretofore described; lat. $40^{\circ}56'30''$ N.; long. $109^{\circ}17'05''$ W., I set off $40^{\circ}57'$ N. on the lat. arc; $1^{\circ}03'$ N., on the decl. arc; and at 4 h. 06 m. p.m. l.m.t. I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5.00 chs. N. of the cor.

At 11 h. 06 m. p.m. l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of my station.

July 28, 1906.

July 29: At 6 h. 30 m. a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ}35'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.41 ins. east of the mark determined by the solar.

subdivision of T. 3 N., R. 23 E.-Continued.

Chains. At 8 h.6 m.a.m.1.m.t.I set off $40^{\circ} 57' N.$ on the lat.arc; $18^{\circ} 54' N.$ on the decl.arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs.N.of the cor.; this mark falls 0.35 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about $0' 22''$ west and $0' 18''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8h.30m.a.m.is $N.16^{\circ} 44' W.$; the angle thus determined gives the mag. decl. $16^{\circ} 44' E.$

Note: On account of the course of the E.bdy.of the township being out of limits, I run from said cor.. of secs.35 and 36, North on sectional guide meridian bet.secs.

35 and 36

Over mountainous land; through dense sagebrush. Desc.

5.00 Bottom of swale, 50 ft. below sec. cor., course $S.60^{\circ} W.$ Asc.

34.00 Top of spur. 40 ft. above swale, bears E. and W. Desc.

40.00 Set a sandstone $18 \times 12 \times 8$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits $18 \times 18 \times 12$ ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W of cor.

45.00 Bottom of swale, 60 ft. below spur, course $S.60^{\circ} W.$ Asc.

50.00 Top of ridge, 60 ft. above hollow, bears $N.70^{\circ} E.$ and $S.70^{\circ} W.$ Desc.

56.00 Bottom of hollow, 50 ft. below ridge, course $S.60^{\circ} W.$ Asc.

Continuation of T 3 R 23 E Cont.

Chains

76.00 Top of ridge, 70 ft. above hollow, bears E. and W.

Desc.

79.50 Bottom of hollow, 60 ft. below ridge, course S. 60° W.

Asc.

80.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, mkd. with 1 notch on S., and E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of of cor.

Land, mountainous.

Soil, gravelly and clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.00 chs.

East, on a random line bet. secs. 25 and 26.

40.00 Set temp. ¼ sec. cor.

80.64 Intersect E. bdy. of Tp., 21 lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence I run

S. 89° 51' W., on a true line bet. secs. 25 and 36.

Over mountainous land; through dense sage brush.

Asc.

2.60 Top of ridge, 100 ft. above sec. cor., bears N. 20° W. and S. 20° E.

Desc.

26.00 Bottom of hollow, 200 ft. below ridge, course S. 60° W.

Asc.

35.50 Top of ridge, 100 ft. above hollow, bears N. 60° E. and S. 60°

W.

Desc.

Subdivision of T.3 N., R.23 E.-Continued.

Chains

40.64 Set a flint stone, 14x9x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.24 Bottom of hollow, 400 ft. below ridge, course S. 60° W.

Asc.

80.64 The cor. of secs. 25, 26, 35, and 36.

Land, mountainous.

Soil, gravelly and clay loam; 2nd and 3rd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.64 chs.

North, bet. secs. 25 and 26, on sectional guide meridian,
Over mountainous land; through dense sage brush.

Asc.

39.00 Top of ridge, 250 ft. above sec. cor.; bears N. 60° W. and S. 60° E.

Desc. abruptly.

40.00 Set a flint stone, 15x10x7 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

45.50 Enter dense aspen saplings, bears E. and W.

47.60 Leave saplings, bears E. and W.

78.30 Enter heavy aspen timber, bears NE and SW.

80.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, mkd. with 2 notches on S. and 1 notch on E. edges; from which

An aspen, 5 in. dia., bears N. 30° E., 66 lks.

dist. mkd. T 3 N. R. 23 E. S 24 B. T.

An aspen, 6 ins. dia., bears S. 69° 40' E., 30 lks.

Subdivision of T.3 N., R.23 E.-Continued.

Chains dist..mkd.T 3 N R 23 E S 25 B.T.
 An aspen, 5 ins.dia., bears S.52°12'W., 15 lks.
 dist..mkd.T 3 N R 23 E S 26 B T.
 An aspen, 8 ins.dia., bears N.67°30'W., 84
 lks.dist..mkd.T 3 N R 23 E S.23 B T.

Land, mountainous

Soil, gravelly, and clay loam; 2nd. and 3rd rate.

Timber, aspen.

Undergrowth, sage brush and aspen saplings.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with
 dense undergrowth, 80.00 chs.

July 29, 1906: At 6 h 6 m p.m., l.m.t., the sky is overcast
 and solar observations are impossible.

N.89°51'E., on a random line bet.secs.24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

81.32 Intersect E.bdy.of Tp. , 12 lks.N.of the cor.of secs.19,
 24, 25, and 30, heretofore described.

Thence I run

S.89°56'W., on a true line bet.secs.24 and 25.

Over mountainous land; through heavy timber.

Desc.

7.70 Leave timber and enter dense sage brush, bears N.and S.

18.00 Bottom of hollow, 60 ft.below sec.cor., course N.20° E.

Asc.

25.00 Top of spur, 60 ft.ab ve hollow, bears N.and S.

Desc.

28.70 Bottom of hollow, 50 ft.below spur, course N.

Asc.

36.70 Top of spur, 150 ft.above hollow, bears N.and S.

Desc.

38.50 Bottom of hollow, 40 ft.below ridge, course N.

Subdivision of T.3 N., R.23.E.-Continued.

Chains Asc.

41.32 Top of ridge, 40 ft. above hollow, bears N. and S.

Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Desc.

45.30 Bottom of hollow, 60 ft. below ridge, course N.

Asc.

64.30 Top of spur, 100 ft. above hollow, bears N. and S.

Desc.

66.30 Bottom of hollow, 70 ft. below spur, course N.

Asc.

76.00 Top of rocky spur, 150 ft. above hollow, bears N. and S.

Desc.

80.80 Enter heavy aspen timber, bears N. and S.

81.32 The cor. of secs. 23, 24, 25, and 26.

Land, mountainous.

Soil, gravelly and clay loam; 2nd rate.

Timber, aspen.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with
 dense undergrowth, 81.32 chs.

North., bet. secs. 23 and 24, on sectional guide meridian,

Over mountainous land; through heavy timber and dense
 undergrowth.

Desc.

1.00 Leave timber, bears E. and W.

27.00 Road, bears E. and W. in bottom of canon, 500 ft. below sec.
 cor., course E.

26.00 Wash, 20 lks. wide, 3 ft. deep, course E.

- Chains Asc.
- 34.50 Asc.abruptly over ledges,bears E.and W.
- 39.00 Top of abrupt ascent,bears E.and W. Leave ledges.
Asc.gradually.
- Enter heavy timber,bears E.and W.
- 40.00 Set a sandstone,18x12x8 ins.,12 ins.in the ground,for
 $\frac{1}{4}$ sec.cor..mkd.. $\frac{1}{4}$ on W.face;from which
 A cedar,18 ins.dia.,bears N.30°40'E.,77
 lks.dist.mkd.. $\frac{1}{4}$ S 24 B T.
 A cedar,14 ins.dia.,bears S.18°W.,91 lks.
 dist..mkd.. $\frac{1}{4}$ S 23 B T.
- 64.00 Enter ledges,bears E.and W.
- 73.00 Leave ledges,bears E.and W.
- 76.00 Leave timber,bears E.and W.
- 78.00 Top of ridge,800 ft.above Canon,bears N.80°E.and S.80°
 W.
- Desc.
- 80.00 Set a sandstone,18x12x6 ins.,12 ins.in the ground,for
 cor.of secs.13,14,23,and 24,mkd.with 3 notches on S.and
 1 notches on E.edges;and raise a mound of stone,2 ft.base,
 1 $\frac{1}{2}$ ft.high,W.of cor.
- Land,mountainous .
- Soil,gravelly and sandy;2nd rate.
- Timber,aspen,cedar and pinon pine.
- Undergrowth,sage and sercive berry brush.
- Good grass for grazing.
- Mountainous or heavily timbered land,or land covered
 with dense undergrowth,80.00 chs.

July 29,1906.

July 30,1906:At 7 h 6 m a.m.,1 mt.,I set off 40°59'N.,
 on the lat.arc;18°41'N.,on the decl.arc;and determine a

Subdivision of T.3 N., R.23 E.-Continued.

Chains	meridian with the solar, at the cor. of secs. 13, 14, 23, and 24.
	Thence I run
	N. $89^{\circ}56'E.$, on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.60	Intersect E. bdy. of Tp., 21 lks. S. $0^{\circ}40'W.$, of the cor. of secs. 13, 18, 19, and 24, heretofore described.
	Thence I run.
	S. $89^{\circ}47'W.$, on a true line bet. secs. 13 and 24.
	Over mountainous land; through heavy timber.
	Asc. over ledges.
17.80	Top of ridge, 600 ft. above sec. cor., bears N. and S.
	Desc. over ledges.
39.40	Leave ledges, bears N. and S.
40.60	Set a sandstone, 24x12x8 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
	A cedar, 7 ins. dia., bears N. $11^{\circ}40'W.$, 52 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
	A cedar, 12 ins. dia., bears S. $12^{\circ}35'W.$, 186 lks. dist. mkd. $\frac{1}{4}$ S 24 B T.
42.60	Old wagon road, bears N. and S.
44.50	Wash, 50 lks. wide, 5 ft. deep, in bottom of canon, 700 ft. below ridge, course S.
	Asc.
46.50	Enter ledges, bears N. and S.
75.50	Top of ridge, 800 ft. above canon, bears N. and S.
	Leave ledges, bears N. and S.
	Leave timber, bears N. and S.
	Desc. through dense sage brush.
80.60	The cor. of secs. 13, 14, 23, and 24.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.

Subdivision of Section 13 and 14, on sectional guide meridian

Chains Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.80 chs.

North, bet. secs. 13 and 14, on sectional guide meridian
Over mountainous land; through dense sage brush.

Desc.

40.00 Point 400 ft. below sec. cor.

Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for
sec. cor., mkd. 2 on W. face; and raise a mound of stone,
2 ft. base, 1½ ft. high, W. of cor.

58.02 Intersect Utah-Wyoming bdy., 35.07 chs. N. 89° 34' E., of the
275th mile cor., heretofore described.

Set a sandstone, 22x8x8 ins., 16 ins. in the ground, for
closing cor. of frac. secs. 13 and 14, mkd. CCU on S., W. on N.
1 groove on E. and 5 grooves on W. faces; and raise a
mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
58.02 chs.

July 30, 1906: At this cor. I set off 18° 37' N., on the decl.
arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the
meridian, the resulting lat. is 41° N.

From the cor. of secs. 34 and 35, on S. bdy. of Tp., hereto-
fore described.

I run

Subdivision of T-7 R-23 E - continued

- Chains N. $0^{\circ} 1' W.$, bet. secs. 34 and 35.
Over mountainous land; through dense sage brush.
Asc. gradually.
- 2.00 Spring branch, 2 lks. wide, 1 in. deep, course S. $20^{\circ} E.$
- 7.00 Spring bears East about 100 lks. dist., flows S. $10^{\circ} E.$
- 22.00 Spring bears West 25 lks. dist., course S. Discharge about 10 gallons per minute.
- 40.00 Set a quartzite stone, 30x10x5 ins., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set a quartzite stone, 30x6x5 ins., 22 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, mkd. with 1 notch on S. and 2 notches on E. edges; dig pits, 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
- Land, mountainous
- Soil, sandy and clay loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.
-
- East, on a random line bet. secs. 26 and 35.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. and S. line, at the cor. of secs. 25, 26, 35, and 36.
- Thence I run
- West, on a true line bet. secs. 26 and 35.
- Over mountainous land; through dense sage brush.
- Desc.
- 6.00 Bottom of hollow, 60 ft. below sec. cor., course S. $20^{\circ} W.$
- Asc.

Subdivision of T.3 N..R.23 E.-Continued.

Chains

12.00 Top of spur, 50 ft. above hollow, bears N. and S.
Desc.

35.80 Bottom of hollow, 40 ft. below spur, course S.
Asc.

40.04 Set a sandstone, 18x14x8 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and
W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high, N. of cor.

49.00 Top of spur, 50 ft. above hollow, bears N. and S.
Desc.

64.00 Bottom of hollow, 40 ft. below spur, course S. 20° E.
Asc.

71.00 Top of ridge, 100 ft. above hollow, bears N. and S.
Desc.

76.00 Bottom of swale, 40 ft. below ridge, course S. 30° E.
Asc.

80.08 The cor. of secs. 26, 27, 34, and 35.
Land, mountainous.
Soil, clay loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
80.08 chs.

July 30, 1906.

July 31, 1906: At 7 h 6 m a.m., l.m.t., I set off 40° 57' N.,
on the lat. arc; 18° 26' N., on the decl. arc; and determine a
meridian with the solar, at the cor. of secs. 26, 27, 34, and 35.
Thence I run
N. 0° 1' W., bet. secs. 26 and 27.

Subdivision of T. 3 N. R. 23 E. Sec. 23

Chains	Over mountainous land; through dense sage brush.
	Desc.
7.50	Swale, 20 ft. below sec. cor., course S. 30° E.
	Asc.
40.00	Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for sec. cor., mkd. on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 5½ ft. base base, 1½ ft. high, W. of cor.
75.00	Top of ridge, 150 ft. above hollow, bears N. 80° W. and S. 80° E. Desc. abruptly.
80.00	Set a quartzite stone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 22, 23, 26, and 27; mkd. with 2 notches on S. and E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	From this cor. A sheep corral bears N. 66° E. about 65.00 chs. dist.
	A spring bears N. 78° E., about 57.00 chs. dist., course N.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	East, on a random line bet. secs. 23 and 26.
40.00	Set temp. sec. cor.
80.16	Intersect N. and S. line, 7 lks. S. of cor. of secs. 23, 24, 25 and 26. Thence I run S. 89° 57' W., on true line bet. secs. 23 and 26, Over mountainous land; through heavy aspen timber.
	Desc.

Subdivision of T.3 N., R.23 E.-Continued.

Chains

- 2.00 Leave timber; bears N. and S.
Enter dense undergrowth, bears N. and S.
- 40.08 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 50.00 Bottom of hollow, 200 ft. below sec. cor., course N. Asc.
Asc. over ledge and boulders, about 50 yds. dist.
- 69.60 Top of spur, 400 ft. above hollow, bears N. and S.
Desc. A corral bears N. 60° E. about 57 chs. dist.
- 74.00 Bottom of swale, 50 ft. below spur, course N.
Asc.
- 80.16 The cor. of secs. 22, 23, 26, and 27.
Land, mountainous.
Soil, gravelly loam; 2nd rate.
Timber, aspen.
Undergrowth, sage brush and deer brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.16 chs.
Note: There is a small spring in SE $\frac{1}{4}$ sec. 23, not seen from line.
- N. of 1' W., bet. secs. 22 and 23.
Over mountainous land; through dense undergrowth.
Desc. abruptly.
- 20.00 Old road, bears E. and W.
Enter scattering timber, bears E. and W.
- 31.00 Bottom of canon, 1000 ft. below sec. cor., course E.
Asc. over ledges and boulders.
- 38.00 Top of ridge, 500 ft. above canon, bears E. and W.
Desc.
- 40.00 Set a quartzite stone, 20x9x7 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,

Section of m. R 23 E - Co. 1 T. 1 N.

Chains	2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
54.00	Bottom of hollow, 400 ft. below ridge, course E. Asc.
68.00	Leave ledges, bears E. and W.
79.00	Top of ridge, 300 ft. above hollow, bears E. and W. Desc.
80.00	Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, mkd. with 2 notches on E. and 3 notches on S. ledges; from which A cedar, 5 ins. dia., bears N. $21^{\circ}04'E.$, 267 lks. dist..mkd. T 3 N R 23 E S 14 B T. A cedar, 8 ins. dia., bears S. $15^{\circ}E.$, 78 lks. dist..mkd. T 3 N R 23 E S 23 B T. A cedar, 5 ins. dia., bears S. $22^{\circ}35'W.$, 270 lks. dist..mkd. T 3 N R 23 E S 22 B T. No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush and deer brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs. July 31, 1906: At this cor. I set off $18^{\circ}22'N.$, on the decl. arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}59'N.$, which is the proper lat. nearly. N. $89^{\circ}57'E.$ on random line bet. secs. 14 and 23. 40.00 Set temp. 4 sec. cor. 80.24 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 13, 14, 23, and 24.

Subdivision of T.3 N., R.23 E.-Continued.

Chains	Thence I run
	N.89°56'W., on a true line bet. secs. 14 and 23.
	Over mountainous land; through dense under growth,
	Descend.
40.12	Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor.
57.50	Ledge, 10 ft. high, bears N. and S.
60.50	Bottom of Gorge, 500 ft. deep, course S.
	Asc.
61.00	Enter scattering timber, bears N. and S.
64.00	Top of spur, 100 ft. above gorge, bears N. and S.
	Desc.
68.00	Bottom of hollow, 50 f. below spur, course SE.
	Asc.
73.00	Top of ridge, 60 ft. above hollow, bears N. and SE.
	Desc.
80.24	The cor. of secs. 14, 15, 22, and 23.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd and 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	80.24 chs.
	N.0°1'W., on a true line bet. secs. 14 and 15.
	Over mountainous land; through scattering timber and dense undergrowth.
	Desc.
12.50	Bottom of hollow, 100 ft. below sec. cor., course S. 60°W.
	Asc.
20.00	Old road, bears N. 60°E. and S. 60°W.

Subdivision of T.3 N., R.23 E.-Continued.

Chains

30.00 Leave timber, bears E. and W.

40.00 Set a limestone, 16x14x3 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high; W. of cor.

41.00 Old road, bears N. 80° W. and S. 80° E.

57.40 Intersect Utah-Wyoming bdy. 34.50 chs. N. 89° 29' E., of the
 276th mile cor., heretofore described.

Set a sandstone, 30x6x3 ins., 22 ins. in the ground, for
 closing cor. of frac. secs. 14 and 15, mkd. C-C on S.,
 U on S., W on N., with 2 groove on on E. and 4 grooves on
 S. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 S. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
 57.40 chs.

July 31, 1906.

Aug. 1, 1906. At 7 h 6 m a.m., l.m.t., I set off 40° 57' N., on the
 lat. arc; 18° 11' N., on the decl. arc; and determine a meridian
 with the solar at the cor. of secs. 33 and 34, on S. bdy. of
 Tp., heretofore described.

Thence I run

N. 0° 2' W., bet. secs. 33 and 34.

Over mountainous land; through scattering timber, and dense
 undergrowth.

Asc. over ledges.

40.00 Set a sandstone, 25x8x7 ins., 19 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

Subdivision of T. 3. N., R. 23. E., -Continued.

Chains	A cedar, 8 ins. dia., bears N. 25° 15' E., 108 lks. dist. mkd. S. 34° B. T.
	No other trees within limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
59.30	Top of ridge, 300 ft. above sec. cor., bears N. 40° W. and S. 40° E.
	Continue ascent along side of ridge.
80.00	Set a sandstone, 18x11x7 ins., 12 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, mkd. with 1 notch on S. and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd and 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage and deer brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	East, on a random line bet. secs. 27 and 34.
40.00	Set temp. sec. cor.
80.00	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 26, 27, 34, and 35.
	Thence I run
	N. 89° 55' W., on a true line bet. secs. 27 and 34.
	Over mountainous land; through dense undergrowth.
	Asc.
18.00	Top of spur, 20 ft. above sec. cor., bears N. and S.
	Desc
29.00	Bottom of hollow, 30 ft. below spur, course S. 50° E.
	Spring branch, 1 lk. wide 1 in. deep in bottom.
	Asc.
40.00	Set a sandstone, 18x8x8 ins., 12 ins. in the ground, for

Subdivision of T.3 N., R.23 E.-Continued.

- Chains. $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- From this cor. a small reservoir, about 2.00 chs. dia., bears N. 24° W., about 7.00 chs. dist.
- A sheep corral bears N. 24° W. about 11.00 chs. dist.
- These improvements are claimed by F.M. Whelan.
- A small spring bears N. $53^{\circ} 40'$ W., about 35.00 chs. dist.
- 44.28 Water ditch, 2 lks. wide, 1 ft. deep, course S.
- 62.00 Spring drain, 1 lk. wide, 1 in. deep, course SE.
- 80.00 The cor. of secs. 27, 28, 33, and 34.
- Land, mountainous.
- Soil, gravelly and clay loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.
-
- N. $0^{\circ} 2'$ W., bet. secs. 27 and 28.
- Over mountainous land; through dense sage brush.
- Asc.
- 40.00 Set a quartzite stone, 16x12x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 55.00 Top of ridge, 200 ft. above sec. cor., bears N. 37° E. and S. 37° W.
- Desc.
- 80.00 Set a quartzite stone, 18x10x7 ins., 12 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S. and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.

Subdivision of T.33N., R.23 E.-Continued.

Chains	Soil, gravelly loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	80.00 chs.
	Aug. 1, 1906: At 0 h 6 m p.m., l.m.t., The sky is overcast and solar observations are impossible.
	S. 89° 55' E., on a random line bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, $\frac{1}{2}$ lks. N. of the cor. of, secs. 22, 23, 26, and 27.
	Thence I run
	N. 89° 52' W., on a true line bet. secs. 22 and 27.
	Over mountainous land; through dense sage brush.
	Asc.
14.00	Top of ridge, 300 ft. above sec. cor., bears NW and SE.
	Continue ascent along south slope of ridge.
39.95	Set a quartzite stone, 18x9x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
60.00	Top of ridge, 200 ft. above ridge, bears NE and SW.
	Desc.
79.90	The cor. of secs. 21, 22, 27, and 28.
	Land, mountainous.
	Soil, gravelly and clay loam; 2nd and 3rd rate.
	No timber.
	Undergrowth, sage and deer brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	79.90 chs.

Subdivision of T.3 N., R.23 E., -Continued.

Chains

N. of 2' E., bet. secs. 21 and 22.

Over mountainous land; through dense sage and buck brush.

Desc.

1.00 Bottom of swale, 10 ft. below sec. cor., course W.

Asc.

9.00 Top of ridge, 200 ft. above swale, bears E. and W. Desc.

34.50 Old road bears NW. and SE.

37.00 Begin abrupt descent, bears NW and SE.

40.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for
sec. cor. mkd. $\frac{1}{2}$ on W. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

44.00 Foot of abrupt descent, bears NW and SE.

Desc. more gradually.

58.80 Bottom of hollow, 800 ft. below ridge, course E.

Asc.

60.50 Enter scattering timber, bears E. and W.

80.00 Set a sandstone, 20x9x8 ins., 15 ins. in the ground, for
cor. of secs. 15, 16, 21, and 22, mkd. 3 N., on NE, 23 E., on SE. face
with 3 notches on S., and E. edges; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.00 chs.

At this cor. latitude $40^{\circ} 58' 06''$ N., longitude $109^{\circ} 18' 22''$ W.,At 10 h 52 m p.m., l.m.t., I observe Polaris at eastern
elongation, in accordance with the Manual, and mark a point
thereof on a stone firmly set in the ground, 5.00 chs.

N. of the cor.

Aug. 1, 1906.

Subdivision of T.3 N., R.23 E. - Continued.

Chains

Aug. 2, 1906: At 6 h. 30 m. a.m., l.m.t., I lay off the azimuth of of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs., N. of the cor.

At 7 h. 6 m. a.m., l.m.t., I set off $40^{\circ}59'$ N., on the lat. arc; $17^{\circ}56'$ N., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

Note: For complete test of instrument see notes of W. bdy. T.3 N., R.22 E.

Thence I run

S. $89^{\circ}52'$ E., on a random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 13 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

N. $89^{\circ}58'$ W., on a true line bet. secs. 15 and 22.

Over mountainous land; through scattering cedar timber and dense undergrowth.

Desc.

11.00 Bottom of hollow, 150 ft. below sec. cor., course S. 20° W.

Asc.

18.00 Top of spur, 100 ft. above hollow, bears N. and S.

Desc.

24.50 Bottom of hollow, 40 ft. below spur, course S.

Asc.

30.00 Top of spur, 50 ft. above hollow, bears N. and S. Desc.

36.00 Bottom of hollow, 30 ft. below spur, course S.

Asc.

39.94 Set a limestone, 17x8x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on N. face; from which

Chains

A cedar, 4 in. dia., bears N. 56° 55' E., 51

lks. dist. mkd. $\frac{1}{4}$ S 15° B T.

A cedar, 5 ins. dia., bears S. 22° 05' W., 208

lks. dist. mkd. $\frac{1}{4}$ S 22° B T.

53.00 Top of ridge, 200 ft. above hollow, bears N. 80° W. and S. 80° E.

Asc. along side of ridge,

79.88 The cor. of secs. 15, 16, 21, and 22.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage and buck brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

79.88 chs.

N. 0° 2' W., on a true line bet. secs. 15 and 16.

Over mountainous land; through dense undergrowth.

Asc.

4.50 Top of ridge, 100 ft. above sec. cor., bears N. 70° E. and S.

70° W.

Desc.

15.75 Bottom of hollow, 600 ft. below ridge, course E.

Asc.

16.25 Old road, bears E. and W.

Enter heavy timber, bears E. and W.

26.00 Top of ridge, 250 ft. above hollow, bears E. and W.

Desc.

28.50 Bottom of hollow, 150 ft. below ridge, course E.

Asc.

40.00 Set a sandstone, 14x12x10 ins., 9 ins. in the ground, for

 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T.2 N., R.23 E.-Continued.

Chains

42.00 Top of ridge, 200 ft. above hollow, bears E. and W.

Desc.

53.50 Bottom of swale, 300 ft. below ridge, course W.

Asc.

56.70 Intersect Utah-Wyoming bdy., 33.94 chs. N. 89° 29' E., of the 277th mile post, heretofore described.

Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for closing cor. of frac. secs. 15 and 16. mkd. C C, U, on S., W. on N., with 3 grooves on E. and W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 56.70 chs.

August 2, 1906: At this cor. I set off 17° 52' N., on the decl. arc; and at 10 h 6 m p.m., l. m.t., I observe the sun on the meridian, the resulting lat. is 41° N.

From the cor. of secs. 32 and 33, on S. bdy. of Tp., heretofore described.

I run

N. 0° 2' W., bet. secs. 32 and 33.

Over mountainous land; through scattering timber and dense undergrowth.

Asc.

40.00 Set a sandstone, 25x10x8 ins., 19 ins. in the ground, for ¼ sec. cor. mkd. 2 on W. face; from which

A cedar, 9 ins. dia., bears N. 18° 30' E., 63 lks. dist. mkd. 2 S. 33 B. T.

Sp. 11.1.1. of 3 N. 23 E. 1/4 Sec. 28

- Chs. A cedar, 7 ins. dia., bears S. 63° W., 90 lks.
dist. mkd. $\frac{1}{4}$ S 32 B T.
- 54.00 Top of ridge, 300 ft. above sec. cor., bears N. 30° W. and S. 30° E.
Continue ascent.
- 80.00 Set a quartzite stone, 20x8x8 ins., 15 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, mkd. with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
Soil, gravelly; 3rd rate.
Timber, pine and cedar.
Undergrowth, sage and buck brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth
80.00 chs.
- East, on a random line bet. secs. 28 and 33.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80 22 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 27, 28, 33, and 34.
Thence I run
S. 89° 53' W., on a true line bet. secs. 28 and 33.
Over mountainous land, through dense undergrowth.
Asc.
- 13.00 Top of ridge, 100 ft. above sec. cor., bears N. and S.
Desc.
- 39.00 Bottom of hollow, 100 ft. below ridge, course S. 30° E.
Asc.
- 40.11 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.22 The cor. of secs. 28, 29, 32, and 33.

Subdivi

Chains Land, mountainous .
 Soil, gravelly loam; 2nd rate.
 No timber.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 80.22 chs.

August 2, 1906.

August 3, 1906: At 8 h 6 m a.m., l.m.t., I set off $40^{\circ} 57'$
 N., on the lat. arc; $17^{\circ} 40'$ N., on the decl. arc; and determine
 a meridian with the solar, at the cor. of secs. 26, 29, 32,
 and 33.

Thence I run

N. $0^{\circ} 2'$ W., bet. secs. 28 and 29.

Over mountainous land; through dense undergrowth.

Asc.

20.00 Top of ridge, 150 ft. above sec. cor., bears N. 60° E. and S.
 50° W.

Desc.

34.30 Bottom of hollow, 200 ft. below ridge; course W.

Asc.

40.00 Set a quartzite stone, 22x10x8 ins., in mound of stone,
 for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

47.30 Top of rocky ridge, 300 ft. above hollow, bears E. and W.
 Desc.

80.00 Set a quartzite stone, 20x12x8 ins., 15 ins. in the ground,
 for cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S.
 and 4 notches on E. edges; and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous

Soil, gravelly ; 3rd rate.

Subdivision of T.3 N., R.23 E.-Continued.

Chains No timber.

Undergrowth, sage and buck brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

N. 89° 53' E., on a random line bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 16 lks. N. of the cor. of secs.
21, 22, 27, and 28.

Thence, I run

West, on a true line bet. secs. 21 and 28.

Over mountainous land; through dense undergrowth,

Desc.

40.03 Set a sandstone, 16x14x5 ins., 11 ins. in the ground for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.06 Point 500 ft. below sec. cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, none.

Undergrowth, sage and buck brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.06 chs.

N. 0° 2' W., bet. secs. 20 and 21.

Over mountainous land; through dense undergrowth.

Desc.

30.00 Old road, bears E. and W.

39.00 Spring branch, 2 lks. wide, 1 ins. deep, in hollow, 600 ft.
below sec. cor., course N. 80° W.

Subdivision of T.3 N., R.23 E.-Continued.

Chains	Asc.
40.00	Set a sandstone, 14x10x9 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Ascend over ledges.
44.50	Top of rocky ridge, 400 ft. above hollow, bears N. 80° W. and S. 80° E.
	Desc.
62.50	Bottom of hollow, 300 ft. below ridge, course N. 70° W.
	Asc.
	Enter scattering timber, bears N. 70° W. and S. 70° E.
70.00	Top of spur, 100 ft. above hollow, bears E and W.
	Desc.
80.00	Set a quartzite stone, 18x11x5 ins. 12 ins. in the ground, for cor. of secs. 16, 17, 21, and 20, mkd. with 3 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	80.00 chs.
	August 3, 1906: At this cor. I set off 17° 37' N., on the decl. arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 59' N., which is the proper lat. nearly.
	East, on a random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, at the cor. of secs. 15, 16, 21, and 22.
	Thence I run

Subdivision of T. 3 N., R. 23 E., -Continued.

Chains	West, on a true line bet. secs. 16 and 21. Over mountainous land; through dense undergrowth and over rocks and boulders. Asc.
15.40	Top of ridge, 100 ft. above sec. cor., bears N. 70° E. and S. 80° W. Desc.
30.00	Bottom of hollow, 150 ft. below ridge, course N. 30° W. Asc.
38.00	Top of spur, 100 ft. above hollow, bears N. 30° W. and S. 30° E. Desc.
40.00	Set a sandstone, 16x9x6 ins., 12 ins. in the ground, for sec. cor., mkd. 2 on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
45.00	Bottom of hollow, 1000 ft. below ridge, course N. Asc.
55.00	Top of ridge, 60 ft. above hollow, bears N. and S. Desc.
80.00	The cor. of secs. 16, 17, 21, and 20. Land, mountainous. Soil, gravelly loam; 2nd rate. No timber. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
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	N. 0° 2' W., on a true line bet. secs. 16 and 17. Over mountainous land; through dense undergrowth. Desc.
10.00	Wash, 50 lks. wide, 5 ft. deep, in bottom of hollow, 80 ft. below sec. cor., course W. Asc.

Subdivision of T. 3 N. R. 23 E. - Cont'd.

Chains

- 39.70 Begin abrupt ascent, bears E. and W.
- 40.00 A lone cedar, 8 ins. dia., for $\frac{1}{4}$ sec. cor., I mark $\frac{1}{4}$ S 17 on E., 17 on E. side; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 46.00 Top of spur, 100 ft. above hollow, bears E. and W.
- Desc.
- 55.84 Intersect Utah-Wyoming bdy., 32.04 chs. N. $89^{\circ}29'E.$, of the 278th mile post, heretofore described.
- Set a sandstone, 14x9x5 ins., 9 ins. in the ground, for closing cor. of frac. secs. 16 and 17, mkd. C C U on S., W on N., with 4 grooves on E. and 2 grooves on W., faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
- Land, mountainous.
- Soil, clay loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 55.84 chs.

Aug. 3, 1906.

August 4, At 7h. 6m. a.m. I. m. t. I. set off $40^{\circ}57'N.$ on lat. arc; $17^{\circ}25'N.$ on decl. arc; and determine a meridian with the solar at the cor. of secs. 31 and 32 on S. bdy. of T. 3 N. R. 23 E. heretofore described.

Thence I run

N. $0^{\circ}3'W.$, bet. secs. 31 and 32.

Over mountainous land; through heavy timber and dense undergrowth.

Desc.

- 10.50 Bottom of hollow, 300 ft. below sec. cor., course W.

Asc.

- 26.00 Ledge, 25 ft. high, bears E. and W.

Subdivision of T. 3 N., R. 23 E. - Continued

Chains

- 20.50 Top of ridge, 500 ft. above hollow, bears N. 60° E. and S. 60° W.
 Desc.
- 22.80 Bottom of hollow, 80 ft. below ridge, course SW.
 Asc.
- 32.00 Top of ridge, 500 ft. above hollow, bears E. and W.
 Desc.
- 39.00 Bottom of hollow, 100 ft. below ridge, course S. 80° W.
 Asc.
- 40.00 Set a sandstone, 15x9x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
 A pinon pine, 6 ins. dia., bears N. 72° E., 86 lks. dist., mkd. $\frac{1}{4}$ S. 32 B. T.
 A cedar, 8 ins. dia., bears N. 39° W., 63 lks. dist., mkd. $\frac{1}{4}$ S. 31 B. T.
- 44.00 Top of rocky ridge, 40 ft. above hollow, bears E. and W.
 Leave timber, bears with ridge.
 A sheep corral bears N. 29° E. about 56.00 chs. dist.
 Desc.
- 68.80 Creek, 3 lks. wide, 1 in. deep, in bottom of Dutch John Canon,
 800 ft. below ridge, course SW.
 Asc.
- 79.00 Top of ridge, 500 ft. above canon, bears N. 80° E. and S. 80° W.
 Desc.
- 80.00 Set a quartzite stone, 16x9x8 ins., 11 ins. in the ground, for cor. of secs. 29, 30, 31, and 32, mkd. with 1 notch on S. and 5 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, gravelly; 3rd rate.
 Timber, pine and cedar.
 Undergrowth, sage and buck brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered

Subdivision of T.3 N., R.25 E.-Continued.

Chains	with dense undergrowth, 80.00 chs.
	East, on a random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 28, 29, 32, and 33.
	Thence I run
	S. 89° 55' W., on a true line bet. secs. 29 and 32.
	Over mountainous land; through dense undergrowth.
	Asc.
13.00	Top of ridge, 150 ft. above sec. cor., bears N. and S.
	Desc.
39.95	Set a quartzite stone, 16x10x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
47.00	Bottom of hollow, 800 ft. below ridge, course N. 70° W.
	Asc.
51.00	Top of spur, 50 ft. above hollow, bears NW and SE.
	Desc.
67.70	Creek, 3 lks. wide, 1 in. deep, in bottom of Dutch John Canon, 100 ft. below spur, course SW.
	Asc.
75.00	Top of ridge, 350 ft. above canon, bears N. 80° E & S. 80° W.
	Desc.
79.90	The cor. of secs. 29, 30, 31, and 32.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	-79.90 chs.

Subdivision of T.3 N., R.23 E.-Continued.

Chains	West, on a random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
85.04	Intersect Ashley Guide Meridian, at the cor. of secs. 25, 30, 31, and 36, heretofore described.
	Thence I run
	East, on a true line bet. secs. 30 and 31.
	Over mountainous land; through dense sage brush.
	Asc.
15.00	Top of ridge, 50 ft. above sec. cor., bears N. 60° W. and S. 60° E.
	Enter heavy timber, bears with ridge.
	Desc.
20.00	Leave timber, bears N. and S.
45.04	Set a quartzite stone, 16x12x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
70.00	Bottom of hollow. 600 ft. below ridge, course NW.
	Asc.
85.04	The cor. of secs. 29, 30, 31, and 32.
	Point 400 ft. above hollow.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 85.04 chs.
	August 4, 1906: At 0 h 6 m p.m., l.m.t., The sky is overcast and solar observations are impossible.
	<hr/>
	N. 0° 3' W., bet. secs. 29 and 30.
	Over mountainous land; through dense undergrowth.
	Desc.
16.25	Bottom of hollow, 400 ft. below sec. cor., course N. 70° W.

Subdivision of T.3 N., R.23 E. -Continued.

Chains	Acc.
27.50	Top of spur, 350 ft. above hollow, bears N. 70° W. and S. 70° E. Desc.
39.00	Bottom of hollow, 200 ft. below spur, course S. 60° W. Asc.
40.00	Set a quartzite stone, 16x8x6 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
44.50	Top of ridge, 150 ft. above hollow, bears E. and W. Desc.
70.00	Foot of abrupt descent, 400 ft. below ridge, bears E. and W. Desc. more gradually.
80.00	Set a quartzite stone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, mkd. with 2 notches on S. and 5 notches on E. edges; dig pits, 18x16x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth; 4 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, gravelly; 3rd rate. No timber. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	N. 89° 55' E., on a random line bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, at the cor. of secs. 20, 21, 28, and 29. Thence I run S. 89° 55' W., on a true line bet. secs. 20 and 29. Over mountainous land; through dense undergrowth. Desc.

Subdivision of T. 3 N., R. 23 E., Cont'd

Chains

- 14.00 Foot of steep descent, bears NW and SE.
Desc. gradually.
- 40.05 Set a quartzite stone, 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 80.10 The cor. of secs. 19, 20, 29, and 30.
Land, mountainous.
Soil, gravelly and clay loam; 2nd rate.
No timber.
Undergrowth, sage and buck brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
80.10 chs.
- August 4, 1906.
-
- August 5, 1906: At 7 h 6 m a.m., l.m.t., I set off 40° 58' N., on the lat. arc; 17° 09' N., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30.
- Thence I run
West, on a random line bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 84.80 c Intersect Ashley Guide Meridian, 7 lks. N. of the cor. of secs. 19, 24, 25, and 30, heretofore described.
- Thence I run
N. 89° 57' E., on a true line bet. secs. 19 and 30.
Over rolling mountainous land; through dense sage brush.
Asc. gradually.
- 44.80 Set a quartzite stone, 16x8x7 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.

Subdivision of T.3 N., R.23 E.-Continued.

Chains and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
84.80 The cor. of secs. 19, 20, 29, and 30.
Land, rolling mountainous.
Soil, sandy and clay loam; 2nd rate.
No timber
Undergrowth, sage brush.
Mountainous land, or land covered with dense undergrowth,
84.80chs.

N. 0° 3' W., bet. secs. 19 and 20.
Over mountainous land; through dense sage brush.
Desc.
16.00 Wash, 20 lks. wide, 3 ft. deep, in bottom of broad hollow,
course W.
Asc. gradually.
21.00 Top of spur, 50 ft. above wash, bears E. and W.
Desc.
25.00 Wash, 20 lks. wide, 4 ft. deep, in broad hollow, course W.
Asc.
29.50 Old road, bears E. and W.
37.00 Enter heavy cedar and pinon pine timber, bears E. and
W.
Commence abrupt ascent, bears E. and W.
40.00 Set a sandstone, 14x9x9 ins., 9 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which
A cedar, 10 ins. dia., bears N. 80° W., 19 lks.
dist. mkd. $\frac{1}{4}$ S. 19 B.T.
A cedar, 8 ins. dia., bears N. 75° E., 8 lks.
dist. mkd. $\frac{1}{4}$ S. 20 B.T.
47.00 Enter ledges and boulders, bears E. and W.
56.00 Top of ridge, 500 ft. above hollow, bears E. and W.
Leave ledges, bears E. and W.
Desc.

Subdivision of T.3 N., R.25 E.-Continued

Chains

- 71.00 Leave timber, bears E. and W.
- 80.00 Set a conglomerate stone, 20x12x5 ins., 15 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, mkd. with 3 notches on S. and 5 notches on E. edges.; dig pits, 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
- Land, mountainous.
- Soil, sandy and clay loam; 2nd rate.
- Timber, pinon pine and cedar.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
-
- N. $89^{\circ}55'E.$, on a random line bet. secs. 17 and 20.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. and S. line, 7.1 kts. N. of the cor. of secs. 16, 17, 20, and 21.
- Thence I run
- S. $68^{\circ}58'W.$, on a true line bet. secs. 17 and 20.
- Over mountainous land; through dense undergrowth.
- Desc.
- 7.50 Bottom of hollow, 20 ft. below sec. cor., course N.
- Asc. over rolling hills and hollows.
- 40.03 Set a sandstone, 16x8x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.06 The cor. of secs. 17, 18, 19, and 20.
- Land, mountainous.
- Soil, sandy and clay loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.

Subdivision of T. 3 N., R. 23 E. - Continued.

Chains

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.06 chs.

August 5, 1906: At this cor. I set off $17^{\circ}05'N.$, on the decl.
arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on
the meridian, the resulting lat. is $40^{\circ}59'N.$, which is
the proper lat. nearly.

$S.89^{\circ}57'W.$, on a random line bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor., —

84.72 Intersect Ashley Guide Meridian, at the cor. of secs.
13, 18, 19, and 24, heretofore described.

Thence I run

$N.89^{\circ}57'E.$, on a true line bet. secs. 18 and 19.

Over mountainous land; through heavy timber.

Asc. over ledges and boulders.

23.00 Top of ridge, 300 ft. above sec. cor., bears $N.70^{\circ}W.$ and $S.$
 $70^{\circ}E.$

Leave timber and enter dense sage brush, bears $N.70^{\circ}W.$ and
 $S.70^{\circ}E.$

Leave ledges and boulders, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$

Desc.

24.00 Enter scattering timber, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$

44.72 Set a sandstone, $14 \times 10 \times 8$ ins., 9 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A cedar, 4 ins. dia., bears $N.16^{\circ}W.$, 74 lks.

dist. mkd. $\frac{1}{4}$ S 18 B T.

A cedar, 5 ins. dia., bears $S.17^{\circ}W.$, 134 lks.

dist. mkd. $\frac{1}{4}$ S 19 B T.

58.50 Bottom of hollow, 800 ft. below ridge, course $N.20^{\circ}W.$

Asc.

64.00 Top of spur, 50 ft. above hollow, bears N. and E.

Leave timber, bears with spur.

Subdivision of T.3 N., R.23 E.-Continued

Chains	Desc.
84.72	<p>The cor.of secs.17,18,19,and 20.</p> <p>Land,mountainous .</p> <p>Soil,gravelly ;3rd rate.</p> <p>Timber,cedar and pinon pine.</p> <p>Undergrowth,sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land,or land covered with dense undergrowth,84.72 chs..</p> <p>N.0° 3'W.,on a true line bet.secs.17 and 18.</p> <p>Over mountainous land;throughdense undergrowth.</p>
30.80	<p>Desc.</p> <p>Wash,10 lks.wide,4 ft.deep,in bottom of hollow,150 ft. below sec.cor.,course N.80° E.</p> <p>Asc.</p>
40.00	<p>Set a sandstone,20x9x5 ins.,15 ins.in the ground,for ¼ sec.cor..mkd. ¼ on W.face;dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist;and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.</p>
41.80	<p>Wash,15 lks.wide,6 ft.deep,course N.80° E.</p>
50.60	<p>Top of ridge,100 ft.above wash,bears E.and W.</p> <p>Desc.</p>
55.10	<p>Intersect Utah-Wyoming bdy.,32.73 chs. N.89° 29'E.,of the 279th mile cor.,heretofore described.</p> <p>Set a sandstone,14x10x7 ins.,9 ins.in the ground,for closing cor.of frac1.secs.17 and 18,mkd.C C U on S.,W on N.,with 5 grooves on E.and 1 groove on W.faces; and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.</p> <p>Land,mountainous.</p> <p>Soil,gravelly and clay loam;2nd rate.</p>

Subdivision of T.3 N., R.23 E.-Continued.

Chains Notimber .

Undergrowth, sage brush.

Good grazz for grazing.

Mountainous land, or land covered with dense undergrowth,
55.10 chs.

August 5, 1906.

GENERAL DESCRIPTION.

This township is principally high rolling mountains, and is known locally as Goslin Mountain; and the soil is generally gravelly and clay loam; 2nd rate; with the exception of a few rocky ridges.

There is a limited amount of cedar and pinon pine timber in the southern part, the remainder is covered with sage brush and some buck and deer brush.

There is an abundant growth of good grass all over the township, and just enough water for grazing purposes.

The minerals Azurite and Atacamite crop out in the north east corner of sec. 36, and indications of iron in sec. 22. Lot 1 sec. 36 has sufficient indications of mineral to return it as mineral land.

There are no settlers in the township.

There is a reservoir and water ditch in sec. 27, claimed by F.M. Whelan, valued at about \$100.00.

T



U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chainman.*

For final affidavits see book "Z"¹⁵ Tp. 2 N., R. 20 E., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Asman.*

....., *Asman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all those parts or portions of the

..... of the

..... meridian, of, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for

For final affidavits see book "Z"¹⁵ Tp. 2 N., R. 20 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Asman.*

....., *Asman.*

....., *Flagman.*

Subscribed and sworn to before me this }
day of, 190 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "Z"¹⁵ Tp. 2 N., R. 20 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, _____, 190____

The foregoing field notes of the survey of _____ the Subdivisional lines of Township No. 3 North, Range No. 23 East of the Salt Lake Base and Meridian, Utah, _____

executed by _____ Scott P. Stewart and John R. Stewart
under their contract No. 295, dated April 30, 1906, _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Thomas H. Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

Z³

FILED

JAN 3 1907

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

of

Township No. 3 North, Range No. 22 E.

Of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors,

Under ^{their} ~~his~~ Contract No. 295, dated April 30, 1906, ~~XXXX~~

Survey commenced August 6, 1906, ~~XXXX~~

Survey completed August 7, 1906, ~~XXXX~~

High 3 149 20 ✓
alg 24 70 ✓

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



West bdy.T.3 N.,R.22 E.

Survey commenced August 6, 1906, and executed with a Young and Sons light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved by the surveyor general, for Utah, on June 1, 1906.

I examine the adjustment of the instrument and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of Tps. 2 and 3 N., Rs. 21 and 22 E., heretofore described, latitude $40^{\circ}56'30''$ N., longitude $109^{\circ}29'39''$ W., I set off $40^{\circ}57'$ N., on the lat. arc; $16^{\circ}47'$ N., on the decl. arc; and at 4 h 6 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 10 h 31 m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 6, 1906.

August 7, 1906: At 6 h 50 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west and mark the meridian thus determined by cutting a small groove in the stone already set, 5.00 chs. N. of cor.; this mark falls 0.43 ins. east of the mark determined with the solar.

West bdy. T. 3N., R. 22 E. - Contin.

Chains At 8 h 6m a.m., l.m.t., I set off $40^{\circ}57'N.$, on the lat. arc; $16^{\circ}36'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0^{\circ}23'$ west and $0^{\circ}20'$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8 h 30 m a.m., is $N. 16^{\circ}44' W.$, the angle thus determined gives the mag. decl. $16^{\circ}44' E.$

From the cor. of Tp., 2 and 3 N., Rs. 21 and 22 E.,

I run

North, bet. secs. 31 and 36.

Over mountainous land; through heavy timber.

Asc.

7.00 Top of ridge, 150 ft. above Tp. cor., bears E. and W.

Desc.

25.00 Bottom of hollow, 350 ft. below ridge, course E.

Asc.

40.00 Set a limestone, $18 \times 12 \times 6$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

A cedar, 5 ins. dia., bears $S. 72^{\circ} E.$, 46 lks.

dist. mkd. $\frac{1}{4}$ S 31 B T.

A pinon pine, 7 ins. dia., bears $S. 73^{\circ} W.$, 36

lks. dist. mkd. $\frac{1}{4}$ S 36 B T.

47.00 Top of ridge, 350 ft. above hollow, bears $N. 80^{\circ} E.$ and $S. 80^{\circ} W.$.
Leave heavy and enter scattering timber, and dense sage.

Desc.

68.00 Bottom of hollow, 500 ft. below ridge, course $N. 30^{\circ} W.$

West bdy. T. 3 N., R. 22 E. - Continued.

Chains	Asc.
72.00	Top of spur, 70 ft. above hollow, bears E. and W.
	Desc.
79.00	Bottom of hollow, 100 ft. below spur, course N. 20° E.
	Asc.
80.00	Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, mkd. with 1 notch on S. and 5 notches on N. edges; from which
	A cedar, 8 ins. dia., bears S. 64° 15' E., 153
	klks. dist., mkd. T 3 N R 22 E S 31 B T.
	A cedar, 8 ins. dia., bears S. 61° 45' W., 123
	lks. dist., mkd. T 3 N R 21 E S 36 B T.
	No other trees within limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly and rocky; 3rd and 4th rate.
	Timber, pine and cedar.
	Good grass for grazing.
	Undergrowth, sage brush.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
<hr/>	
	North, bet. secs. 25 and 30.
	Over mountainous land; through dense undergrowth.
	Desc. along side of hollow.
30.00	Bottom of hollow, 300 ft. below sec. cor., course N. 30° W.
	Asc.
40.00	Set a limestone, 16x10x6 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
46.00	Top of spur, 100 ft. above hollow, bears N. 30° W. and S. 30° E.
	Desc.

West br. T 3 N R 22 E - Continued

Chains

65.50 Wash, 50 lks. wide, 11 ft. deep, course N. 30° W.

69.50 Wash, 50 lks. wide, 20 ft. deep, in hollow, 100 ft. below spur,
course N. 80° W.

Asc.

73.00 Top of spur, 30 ft. above hollow, bears N. 80° W. and S. 80° E.

Desc.

77.50 Wash, 80 lks. wide, 12 ft. deep, course N. 70° W.

80.00 Bottom of hollow, 50 ft. below spur, course N. 60° W.

Set a limestone, 18x10x6 ins., 12 ins. in the ground, for
cor. of secs. 19, 24, 25, and 30, mkd. with 2 notches on S and
4 notches on N. edges; and dig pits, 18x18x12 ins., in each sec.
5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high,
W. of cor.

Land, mountainous.

Soil, gravelly and clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

August 7, 1906 At this cor. I set off 16° 32' N., on the decl.
arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the
meridian, the resulting lat. is 40° 58' N., which is the proper
lat. nearly.

North, bet. secs. 19 and 24.

Over mountainous land; through scattering undergrowth.

Asc.

7.00 Top of spur, 50 ft. above sec. cor., bears NW and E.

Desc.

31.00 Wash, 20 lks. wide, 6 ft. deep, course N. 60° W.

West T. 3N., R. 23 E. - Continued

Chains

- 40.00 Bottom of hollow, 60 ft. below spur, course N. 60° W.
Set a limestone, 16x10x6 ins., 11 ins. in the ground, for
¼ sec. cor. mkd. ¼ on W. face; and raise a mound of stone,
2 ft. base, 1½ ft. high, W. of cor.
Asc.
- 46.00 Top of ridge, 50 ft. above hollow, bears N. 80° W. and S. 80° E.
Desc.
- 64.50 Wash, 30 ft. deep, 300 lks. wide, in bottom of hollow, 60 ft.
below ridge, course W.
Asc.
- 70.00 Ledge, 10 ft. high, on top of ridge, 150 ft. above hollow, bears
E. and W.
Desc.
- 80.00 Set a sandstone, 18x10x9 ins., 12 ins. in the ground, for
cor. of secs. 13, 18, 19, and 24, mkd. with 3 notches on N.
and S. edges; and raise a mound of stone, 2 ft. base, 1½ ft.
high, W. of cor.
Land, mountainous.
Soil, gravelly and clay loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, 80.00 chs.
- North, bet. secs. 13 and 18.
Over mountainous land; through scattering undergrowth.
Desc.
- 19.50 Bottom of hollow, 200 ft. below sec. cor., course W.
Asc.
- 35.00 Begin abrupt ascent, bears E. and W.
Enter scattering cedar and pinon pine timber, bears E. and
W.

West bdy. T. 3 N., R. 22 E. - Continued

Chains

65.50 Wash, 50 lks. wide, 11 ft. deep, course N. 30° W.

69.50 Wash, 50 lks. wide, 20 ft. deep, in hollow, 100 ft. below spur,
course N. 80° W.

Asc.

73.00 Top of spur, 30 ft. above hollow, bears N. 80° W. and S. 80° E.

Desc.

77.50 Wash, 80 lks. wide, 12 ft. deep, course N. 70° W.

80.00 Bottom of hollow, 50 ft. below spur, course N. 60° W.

Set a limestone, 18x10x6 ins., 12 ins. in the ground, for
cor. of secs. 19, 24, 25, and 30, mkd. with 2 notches on S and
4 notches on N. edges; and dig pits, 18x18x12 ins., in each sec.
5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high,
W. of cor.

Land, mountainous.

Soil, gravelly and clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

August 7, 1906 At this cor. I set off 16° 32' N., on the decl.
arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the
meridian, the resulting lat. is 40° 58' N., which is the proper
lat. nearly.

North, bet. secs. 19 and 24.

Over mountainous land; through scattering undergrowth.

Asc.

7.00 Top of spur, 50 ft. above sec. cor., bears NW and E.

Desc.

31.00 Wash, 20 lks. wide, 6 ft. deep, course N. 60° W.

West T.3N., R.22 E.-Continued

Chains

- 40.00 Bottom of hollow, 60 ft. below spur, course N. 60° W.
 Set a limestone, 16x10x6 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,
 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Asc.
- 46.00 Top of ridge, 50 ft. above hollow, bears N. 80° W. and S. 80° E.
 Desc.
- 64.50 Wash, 30 ft. deep, 300 lks. wide, in bottom of hollow, 60 ft.
 below ridge, course W.
 Asc.
- 70.00 Ledge, 10 ft. high, on top of ridge, 150 ft. above hollow, bears
 E. and W.
 Desc.
- 80.00 Set a sandstone, 18x10x9 ins., 12 ins. in the ground, for
 cor. of secs. 13, 18, 19, and 24, mkd. with 3 notches on N.
 and S. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft.
 high, W. of cor.
 Land, mountainous.
 Soil, gravelly and clay loam; 2nd rate.
 No timber.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, 80.00 chs.
- North, bet. secs. 13 and 18.
 Over mountainous land; through scattering undergrowth.
 Desc.
- 19.50 Bottom of hollow, 200 ft. below sec. cor., course W.
 Asc.
- 35.00 Begin abrupt ascent, bears E. and W.
 Enter scattering cedar and pinon pine timber, bears E. and
 W.

West bdy. T.3N., R.22 E.-Continued.

Chains

40.00 Point for $\frac{1}{4}$ sec. cor. falls on steep side hill where it would be impossible to perpetuate a cor., therefore at
 43.63 Top of perpendicular ledge, 300 ft. high, and top of ridge, 400 ft. above hollow, bears E. and W.

Set a sandstone, 18x11x5 ins., 12 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., mkd. W. C on S., $\frac{1}{4}$ on W. face; from which

A cedar, 4 ins. dia., bears N. 25° E., 37 lks.
 dist.. mkd. $\frac{1}{4}$ S 18 W C B T.

A cedar, 8 ins. dia., bears N. 76° W., 13 lks.
 dist.. mkd. $\frac{1}{4}$ S 13 W C B T.

Enter heavy timber, bears E. and W.

Desc.

49.20 Intersect Utah-Wyoming bdy., 24.70 chs., N. 89° 16' E., of the 286th mile post., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for closing cor. of frac. 1. Tp. 3 N., Rs. 21 and 22 E., mkd. C C U on S., W. on N., with 6 grooves on E., W., and 4 grooves on S. faces; from which

Cedar, 13 ins. dia., bears S. 70° E., 4 lks.
 dist.. mkd. T 3 N R 22 E S 18 B T.

A cedar, 4 ins. dia., bears S. 85° W., 45 lks.
 dist.. mkd. T 3 N R 21 E S 13 B T.

Land, mountainous .

Soil, gravelly and clay loam; 2nd and 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 49.20 chs.

August 7, 1906.

Boundaries of T.3 N., R.22 E.-

Boundaries of T.3 N., R.22 E.-

Latitudes ,departures,closing errors.

Line* designated	Course	dist- ance . chs.	Latitudes			Departures	
			N.	S.		E.	W.
			chs.	chs.	chs.	chs.	chs.
S.bdy.T.3 N.,R.22 E.	West	478.74				478.74	
W.bdy.T.3 N.,R.22 E.	North	289.20	289.20				
Utah-Wyoming bdy.	N.89°16'E.	53.96	.69			53.96	
Utah-Wyoming bdy.	N.89°E.	79.90	1.39			79.89	
Utah-Wyoming bdy.	N.89°31'E.	316.47	2.67			316.46	
Utah-Wyoming bdy.	N.89°22'E.	27.84	.31			27.84	
E.bdy.T.3 N.,R.22 E.	South	294.12		294.12			
Convergency						.40	
Totals			294.20	294.12		478.55	478.74
Error in lat. and dep.			294.12			478.55	
			.14			.19	

GENERAL DESCRIPTION.

This township is rolling mountainous; and is well adapted for grazing purposes.

August 7, 1906.

John R. Stewart
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

For final affidavits see book "Z¹¹" Tp. 3 N., R. 20 E., *Chainman*.

....., *Chainman*.

....., *Moundman*.

....., *Moundman*.

....., *Arman*.

....., *Arman*.

....., *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all those parts or portions of the

..... of the

..... meridian, of, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for

For final affidavits see book "Z¹¹" Tp. 3 N., R. 20 E., *Chainman*.

....., *Chainman*.

....., *Moundman*.

....., *Moundman*.

....., *Arman*.

....., *Arman*.

....., *Flagman*.

Subscribed and sworn to before me this

day of, 190



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____ United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "Z" ¹¹ Tp.3 N., R. 20 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____ }



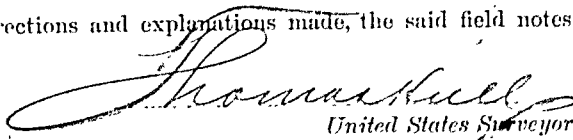
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, _____, 1907

The foregoing field notes of the survey of the West Boundary of Township No. 3 North, Range No. 22 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and John R. Stewart
under his contract No. 295, dated April 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

Z⁴

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FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

UTAH -- WYOMING BOUNDARY

through

Township No. 3 North, Range No. 22 East,

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors

their

Under his Contract No. 295, dated April 30, 1906, ~~xxx~~Retracement
Survey commenced August 7, 1906, ~~xxx~~Retracement
Survey completed August 19, 1906, ~~xxx~~

Done 5, 78, 1907

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher

Chainman

Leo A. Snow

Chainman

Paul Ashworth

Moundman

Quinby Stewart

Moundman

Alden Oscar Gledhill

Axman

John W. Pickering

Axman

John R. Llewellyn

Flagman

For preliminary affidavits see book "B" Tp. 4 S. , R. 20 E.

Volume

R0337

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INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



Retracement Utah-Wyoming bdy. through T.3 N., R.22 E.

Survey commenced August 7, 1906, and executed with a Young and Sons light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, on June 1, 1906.

At the closing cor. of Tp., 3 N., Rs. 21 and 22 E., heretofore described, latitude 41° N., longitude $109^{\circ} 29' 39''$ W.,

At 10 h 27 m p.m. l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined, by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 7, 1906.

August 8, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 35'$ to the west, and mark the meridian thus determined, by cutting a small groove in a stone, firmly set 5.00 chs. N. of the cor.

At 7 h 6 m a.m., l.m.t., I set off 41° N., on the lat. arc; $16^{\circ} 20'$ N., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.37 ins. east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

Note: For complete test of instrument see notes of subdivision of T.3 N., R.22 E.

From the above described cor.

I run

Retracement Utah-Wyoming bdy. through T.3 N., R.22 E.-Continued.

Chains

East, on a retracement line along the Utah-Wyoming bdy. along the 286th mile .

Note; This retracement is deemed necessary on account of the closing made on the bdy, it is apparantly out considerable in course .

53.96 The 285th mile cor. on the Utah-Wyoming bdy., which is cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 69 lks. dist.

The course of this line is therefore N. 89° 16' E. 53.96 chs.

East, on a retracement line along the 285th mile of the Utah-Wyoming bdy.

79.89 The 284th mile cor. on the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 140 lks. dist.

The course of this line is therefore N. 89° E. 79.90 chs.

East, on a retracement line along the 284th mile, of the Utah-Wyoming bdy.

79.44 The 283rd mile cor. on the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 67 lks. dist.

The course of this line is therefore N. 89° 31' E., 79.44 chs.

August 8, 1906: At this cor. I set off 16° 16' N., on the decl. arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 41° N., which is the proper lat.

Retracement Utah-Wyoming bdy. though Tp. 3 N., R. 22 E. - Continued.

Chains East, on a retracement line along the 283rd mile, of the Utah-Wyoming bdy.

79.46 The 282nd mile cor. on the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 67 lks. dist.

The course of this line is therefore N. $89^{\circ}31'$ E., 79.46 chs.

East, on retracement line along the 282nd mile of the Utah-Wyoming bdy.

80.00 The 281st mile cor. on the Utah-Wyoming bdy., which is decayed cedar post mkd. and witnessed as described by the surveyor general, bears N. 67 lks. dist. I destroy all traces of the old cor. and at the exact point re-establish the cor. as follows:

Set a cedar post, 6 ins. sq., 7 ft. long, 2 ft. in the ground, for 281st mile cor., mkd. on N. "Wyoming" on S. "Utah", on E. "281 miles", and on W. "41 N L 1873".

The course of this line is therefore N. $89^{\circ}31'$ E. 80.00 chs.

August 8, 1906.

August 9, 1906 At 7 h 5 m a.m., l.m.t., I set off 41° N., on the lat. arc; $16^{\circ}03'$ N., on the decl. arc; and determine a meridian with the solar, at the 281st mile cor. on the Utah-Wyoming bdy.

Thence I run

East, on a retracement line along the 281st mile of the Utah-Wyoming bdy.

77.57 The 280th mile cor. on the Utah-Wyoming bdy., which is a cedar post, 6 ins. sq., 5 ft. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 66 lks. dist.

Retracement Utah-Wyoming bdy. through T.3 N., R.22 E. -Continued.

Chains The course of this line is therefore N. $89^{\circ} 31' E.$, 77.57 chs.

East, on a retracement line along the 280th mile of the Utah-Wyoming bdy.

27.84 The closing cor. of Tps. 3 N., Rs. 22 and 23 E., heretofore described bears N. 31° lks. dist.

The course of this line is therefore N. $89^{\circ} 22' E.$ 27.84 chs.

11 a.m. August 9, 1906.

John R. Stewart
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of retracement of fractional S. and W. bdy. Fort Thornburg Military Reservation, Ts. 3 and 4 S., R. 20 E.; frac'l E. bdy. Uintah Indian Reservation, Ts. 4 and 5 S., R. 19 E.; Utah-Wyoming bdy. from 273½ to 286th mile cors.; also frac'l E. bdy. T. 4 S., R. 20 E.; W. bdy. T. 3 S. R. 20 E.; N. bdy. T. 4 S., R. 19 E.; and E. bdy. T. 3 N., R. 23 E. of the Salt Lake Base and Meridian, Utah.

_____, Paul Ashworth, Moundman.

_____, Quinby Stewart, Moundman.

_____, Alden Oscar Gladhill, Axman.

_____, John W. Pickering, Axman.

_____, John R. Llewellyn, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart

_____, United States Deputy Surveyor, in surveying all retracing those parts or portions of ~~XXX~~ fractional S. and W. bdy. Fort Thornburg Military Reservation, Ts. 3 and 4 S. R. 20 E.; frac'l E. bdy. Uintah Indian Reservation, Ts. 4 and 5 S. R. 19 E.; Utah-Wyoming bdy. from 273½ to 286th mile cors.; also frac'l E. bdy. T. 4 S. R. 20 E.; W. bdy. T. 3 S. R. 20 E.; N. bdy. T. 4 S. R. 19 E.; and E. bdy. T. 3 N. R. 23 E. of the Salt

Lake Base meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey retraced retracements have been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Harvey Fildcher, Chainman.

Leo P. Snow, Chainman.

Paul Ashworth, Moundman.

Quinby Stewart, Moundman.

Alden Oscar Gladhill, Axman.

John W. Pickering, Axman.

John R. Llewellyn, Flagman.

Subscribed and sworn to before me this 24 day of August, 1906



John R. Stewart
U.S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We, Scott P. Stewart and John R. Stewart, United States Deputy Surveyors do solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of the 30th day of April, 1906, ^{we} have well, faithfully, and truly, in ^{our} own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ^{retraced} ~~surveyed~~ all those parts or portions of frac'1 S. and W. bdy. Fort Thornbury Military Reservation, Ts. 3 and 4 S. R. 20 E.; frac'1 E. bdy. Uintah Indian Reservation, Ts. 4 and 5 S. R. 19 E.; Utah-Wyoming bdy. from 273 1/2 to 286th mile cors.; also frac'1 E. bdy. T. 4 S. R. 20 E.; W. bdy. T. 3 S. R. 20 N.; N. bdy. T. 4 S. R. 19 E.; and E. bdy. T. 3 N. R. 23 E. of the Salt Lake Base and meridian, in the State of Utah, which are represented in the in books "B" "E" "I" "J" "Y" & "Z" ^{our} ~~as~~ ^{we} having been ~~retraced~~ ^{retraced} by us, and under ~~my~~ ^{our} direction; and ~~do~~ ^{we} further solemnly swear that all the corners of said ~~survey~~ ^{retracements} have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{retracements}.

Scott P. Stewart and John R. Stewart
 Scott P. Stewart
 and
 John R. Stewart

United States Deputy Surveyors

Subscribed by said John R. Stewart, and sworn to before me

this 3d day of January, 1907.

Thomas Hull

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 15, 1907

The foregoing field notes of the ~~survey of~~ retracement of the Utah-Wyoming bdy. line, through Township No. 3 North, Range No. 22 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and John R. Stewart ^{their} under ~~my~~ ^{their} contract No. 295, dated April 30, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and ~~the surveys they describe~~ ^{retracements} are hereby approved.

Thomas Hull

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

Thomas Hull

United States Surveyor General

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BOOK A-337

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Z.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 3 North, Range No. 22 East

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors,

their

Under ~~his~~ Contract No. 295, dated April 30, 1906, 190

Survey commenced August 9, 1906, 190

Survey completed August 16, 1906, ~~190~~

Went on line of survey
 in T1N.16.23E.

High
 clearing

26-16.21 ✓
 1-45.06 ✓

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JAN 3 1907

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher

Chainman

Leo A. Snow

Chainman

Paul Ashworth

Moundman

Quinby Stewart

Moundman

Alden Oscar Gledhill

Axman

John W. Pickering

Axman

John R. Llewellyn

Flagman

For preliminary affidavits see book "C" Tp. 4 S.. R. 20 E.

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32	31	24	17	10	3
31	30	32	23	33	16

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



Subdivision of T.3 N., R.22 E.-

Survey commenced August 9, 1906, and executed with a Young and Sons light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described, latitude $40^{\circ}56'30''$ N., longitude $109^{\circ}23'55''$ W., I set off $40^{\circ}57'$ N., on the lat. arc; $15^{\circ}56'$ N., on the decl. arc; and at 5 h 5 m p.m., l.m.t., I determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 10 h 19 m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 9, 1906.

August 10, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.25 ins. east of the mark determined with the solar.

Subdivision of T.3 N., R.22 E.-Continued.

Chains

At 7 h 5 m a.m., l.m.t., I set off $40^{\circ}57'N.$, on the lat. arc; $15^{\circ}46'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.34 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0'15''$ west and $0'18''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is $N.16^{\circ}40'W.$ the angle thus determined gives the mag. decl. $16^{\circ}40'E.$

From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp.,
I run

$N.0^{\circ}1'W.$, bet. secs. 35 and 36.

Over mountainous land; through heavy timber.

Asc. along side of hollow.

40.00 Set a quartzite stone, $18 \times 13 \times 8$ ins., 12 ins. in the ground, for π sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

A pinon pine, 10 ins. dia., bears $S.46^{\circ}E.$, 18 lks. dist., mkd. π S 36 B T.

A pinon pine, 8 ins. dia., bears $N.64^{\circ}30'W.$, 33 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.

48.00 Bottom of hollow, 200 ft. above sec. cor., course $S.30^{\circ}W.$
Asc.

80.00 Set a sandstone, $24 \times 10 \times 8$ ins., 18 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, mkd. with 1 notch on S. and 1 notch on E. edges; from which

A pinon pine, 10 ins. dia., bears $N.76^{\circ}E.$, 38 lks. dist., mkd. T 3 N R 22 E S 25 B T.

Subdivision of T.3 N., R.22 E. -Continued.

Chains	<p>A pinon pine, 10 ins. dia., bears S. 18° E., 24 lks. dist., mkd. T 3 N R 22 E S 36 B T.</p> <p>A pinon pine, 8 ins. dia., bears S. 50° W., 45 lks. dist., mkd. T 3 N R 22 E S 35 B T.</p> <p>A pinon pine, 5 ins. dia., bears N. 32° W., 29 lks. dist., mkd. T 3 N R 22 E S 26 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly and clay loam; 2nd and 3rd rate.</p> <p>Timber, pinon pine and cedar.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p>
	<p>East, on a random line bet. secs. 25 and 36.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect Ashley Guide Meridian, 7 lks. S. of the cor. of secs. 25, 30, 31, and 36., heretofore described.
	Thence I run
	S. 89° 57' W., on a true line bet. secs. 25 and 36.
	Over mountainous land; through dense sage brush.
	Desc.
10.00	Leave undergrowth and enter heavy timber, bears NE and SW.
40.02	Set a quartzite stone, 18x13x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	A pinon pine; 9 ins. dia., bears N. 52° 30' W., 110 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
	A pinon pine, 10 ins. dia., bears S. 29° W., 18 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.
44.00	Bottom of canon, 600 ft. below sec. cor., course S. 45° W. Asc. abruptly.
80.04	The cor. of secs. 25, 26, 35, and 36., 800 ft. above canon. Land, mountainous.

Subdivision of T.3 N., R.22 E.-Continued.

Chains	Soil, gravelly and rocky; 3rd and 4th rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.04 chs.
	N. 0° 1' W., bet. secs. 25 and 26.
	Over mountainous land; through heavy cedar and pinon pine timber and mahogany undergrowth.
	Asc. abruptly over ledges.
7.00	Top of sharp rocky ridge, 300 ft. above sec. cor., bears N. 70° E. and S. 70° W.
	Leave heavy and enter scattering timber, bears with ridge.
	Leave ledges, bears with ridge.
	Leave mahogany and enter dense sage, bears with ridge.
	Desc.
20.00	Leave timber, bears E. and W.
40.00	Set a sandstone, 22x8x7 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
49.00	Foot of steep descent, 800 ft. below ridge, bears E. and W. Thence descent gradually.
80.00	Set a sandstone, 16x9x6 ins., 11 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, mkd. with 2 notches on S. and 1 notch on E. edges; dig pits, 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous
	Soil, gravelly and clay loam; 3rd and 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush and mahogany
	Good grass for grazing.

Section of T. 3 N. R. 22 E. -Continued

- Chains Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- August 10, 1906: At this cor. I set off $15^{\circ}41'N.$, on the decl. arc; and at 0 h 5 m p.m., l.m.t., I observe the sun on the merid. and the resulting lat. is $40^{\circ}58'N.$, which is the proper lat. nearly.
-
- N. $89^{\circ}57'E.$, on a random line bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect Ashday Guide Meridian, at the cor. of secs. 19, 24, 25, and 30, heretofore described.
- Thence I run
- S. $89^{\circ}57'W.$, on a true line bet. secs. 24 and 25.
- Over rolling mountainous land; through dense sage brush. Asc. gradually.
- 31.50 Top of ridge, 50 ft. above sec. cor., bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$
- Desc.
- 40.00 Set a sandstone, 15x10x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 57.50 Bottom of hollow, 75 ft. below ridge, course NW.
- Asc.
- 80.00 The cor. of secs. 23, 24, 25, and 26.
- Land, mountainous.
- Soil, gravelly and clay loam; 2nd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.3 N., R.22 E.-Continued

Chains

N.0°1'W., bet. secs. 23 and 24..

Over rolling mountainous land; through dense undergrowth.

Desc.

17.50 Bottom of hollow, 100 ft. below sec. cor., course N.80°W.

Asc.

38.50 Top of ridge, 150 ft. above hollow, bears N.70°W. and S.70°E

Desc.

40.00 Set a quartzite stone, 18x8x6 ins., 12 ins. in the ground, for
 ¼ sec. cor.. mkd. ¼ on W. face; dig pits, 18x18x12 ins. N. and
 S. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft.
 base, 1½ ft. high, W. of cor.

62.00 Bottom of hollow, 125 ft. below ridge, course N.60°W.

Asc.

80.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for
 cor. of secs. 13, 14, 23, and 24, mkd. with 3 notches on S. and
 1 notch on E. edges; and raise a mound of stone, 2 ft. base, 1½
 ft. high, W. of cor.

Land, mountainous (rolling).

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.00 chs.

August 10, 1906.

August 11, 1906: At 8 h 5 m a.m., l.m.t., I set off 40°59'N.,
 on the lat. arc; 15°27'N., on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 13, 14, 23, and 24.

Thence I run

N.89°57'E., on a random line bet. secs. 13 and 24.

Subdivision of T.3 N., R.23 E.-Continued

Chains

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect Ashley Guide Meridian, 7 lks. N. of the cor. of secs. 13, 18, 19, and 24; heretofore described.

Thence I run

West, on a true line bet. secs. 13 and 24.

Over mountainous land; through heavy timber.

Desc. over ledges.

30.00 Leave ledges, bears N. 50° W. and S. 50° E.

40.02 Set a sandstone, 15x11x10 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which i

A cedar, 12 ins. dia., bears N. 74° W., 35 lks.

dist. mkd. $\frac{1}{4}$ S 13 B T.

A cedar, 7 ins. dia., bears S. 66° W., 52 lks.

dist. mkd. $\frac{1}{4}$ S 24 B T.

56.00 Center of Ravine, 15 ft. deep, 5 chs. wide, course S.

Continue descent.

60.00 Foot of steep descent, 600 ft. below sec. cor., bears N. 70° W. and S. 70° E.

Descend gradually. Leave timber and enter dense sage.

71.00 Wash, 10 lks. wide, 2 ft. deep, course S.

80.04 The cor. of secs. 13, 14, 23, and 24.

Land, mountainous.

Soil, gravelly and clay loam; 2nd and 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.04 chs.

Note: The line bet. secs. 13 and 14 will intersect the Utah-Wyoming bdy.

Therefore I run

Subdivision of T 3 N R 22 E Cont'd

- Chains N. 0° 1' W., on a true line bet. secs. 13 and 14.
Over mountainous land; through dense sage brush.
Asc. gradually.
Note: From this cor. East Grindstone Springs bears S. 64° E.
about 69.00 chs. dist.
- 5.00 Enter scattering timber, bears E. and W.
- 7.50 Begin abrupt ascent over ledges, bears E. and W.
Enter heavy timber, bears E. and W.
- 40.00 Point for cor. falls on stationary sandstone ledge, 4x2x2
ft. above ground, I mark a cross (X) at the exact point,
for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
A cedar, 8 ins. dia., bears N. 75° E., 33 lks.
dist. mkd. $\frac{1}{4}$ S 13 B T.
A cedar, 6 ins. dia., bears N. 85° W., 30 lks.
dist. mkd. $\frac{1}{4}$ S 14 B T.
- 48.75 Top of ridge, 900 ft. above sec. cor., bears N. 70° W. and S. 70°
E.
Desc.
- 53.31 Intersect Utah-Wyoming bdy., 25.50 chs. N. 89° 31' E., of the
281st mile cor., heretofore described.
Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for
closing cor. of frac. 1, secs. 13 and 14, mkd. C C U on S., W. on
N., with 1 groove on E. and 5 grooves on W. face; from which
A cedar, 10 ins. dia., bears S. 84° 10' E., 87
lks. dist. mkd. T 3 N R 22 E S 13 B T.
A cedar, 10 ins. dia., bears S. 20° W., 25
lks. dist. mkd. T 3 N R 22 E S 14 B T.
- Land, mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 53.31 chs.
August 11, 1906: At this cor. I set off 15° 24' N., on the

Subdivision of T.3 N., R.22 E.-Continued.

Chains	decl.arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 41° N.,which is the proper lat.
	From the cor.of secs.2,3,34,and 35,on S.bdy.of Tp.,heretofore described.
	I run N. 0° 2' W.,bet.secs.34 and 35. Over mountainous land;through scattering timber, and scattering undergrowth.
	Asc.
26.00	Top of spur,200 ft.above sec.cor.,bears N. 80° E.and S. 80° W.
	Desc.
36.00	Bottom of hollow,600 ft.below ridge,course S. 45° W.
	Asc.
40.00	Set a sandstone,20x14x6 ins.15 ins.in the ground,for $\frac{1}{4}$ sec.cor...,mkd. $\frac{1}{4}$ on W.face;from which A pinon pine,7 ins.dia.,bears N. 75° E.,110 lks.dist,mkd. $\frac{1}{4}$ S 35 B T. A pinon pine,6 ins.dia.,bears N. 40° W.,14 lks. dist..mkd. $\frac{1}{4}$ S 34 B T.
46.25	Foot of perpendicular sandstone ledge 150 ft.high,bears NE and SW.
47.00	Foot of perpendicular sandstone ledge,200 ft.high,bears NE and SW.
48.00	Top of rocky ridge,600 ft.above hollow,bears NE and SW. Desc.over ledges.
55.50	Bottom of hollow,300 ft.below ridge,course SW. Enter heavy timber,bears NW and SW. Asc.
77.00	Top of ridge,500 ft.above hollow,bears E.and SW. Leave timber,bears E.and SW.

Subdivision of T.3 N., R.22 E.-Continued.

Chains

Leave ledges, bears E. and SW.

Desc.

80.00 Point 75 ft. below ridge,

Set a sandstone, 18x9x8 ins., 12 ins. in the ground, for
cor. of secs. 26, 27, 34, and 35, mkd. with 1 notch on S., and
2 notches on E. edges; and raise a mound of stone,
2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous .

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, pinon pine and cedar and red pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
25, 26, 35, and 36.

Thence I run

N. 89° 57' W., on a true line bet. secs. 26 and 35.

Over mountainous land; through heavy timber .

Asc. over ledges.

32.50 Top of sharp rocky ridge, 200 ft. above sec. cor., bears
N. and S.

Desc.

39.98 Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for
¼ sec. cor., mkd. ¼ on N. face; from which

A pinon pine, 10 ins. dia., bears N. 80° W., 36
lks. dist., mkd. ¼ S 26 B T.

A pinon pine, 12 ins. dia., bears S. 22° E., 22
lks. dist., mkd. ¼ S 35 B T.

47.50 Bottom of hollow, 500 ft. below ridge, course S.

Asc.

Subdivision of T.3 N., R.22. E.-Continued.

Chains

62.50 Top of sharp rocky ridge, 300 ft. above hollow, bears N. 60° E.
and S. 60° W.

Leave ledges, bears with ridge.

Leave heavy timber, bears with ridge.

Desc.

71.00 Bottom of swale, 200 ft. below ridge, course N.

Asc.

73.00 Enter heavy timber, bears N. and S.

75.00 Top of spur, 150 ft. above hollow, bears N. and S.

Leave timber and enter dense undergrowth, bears N. and S.

Desc.

79.96 The cor. of secs., 26, 27, 34, and 35.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.96 chs.

August 11, 1906.

August 12, 1906: At 7 h 5 m a.m., l.m.t., I set off 40° 57' N., on the lat. arc; 15° 11' N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 26, 27, 34, and 35.

Thence I run

N. 0° 2' W., bet. secs. 26 and 27.

Over mountainous land; through dense undergrowth.

Desc.

36.00 Bottom of hollow, 500 ft. below sec. cor., course NW.

Subdivision of T.3 N., R.22. E. -Continued.

Chains Asc.

40.00 Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for
sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

55.00 Top of ridge, 200 ft. above hollow, bears NW and SE.

Desc.

80.00 Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for
cor. of secs. 22, 23, 26, and 27, mkd. with 2 notches on S. and
E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

Land, mountainous.

Coil, gravelly; 3rd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.00 chs.

S. 89° 57' E., on a random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
23, 24, 25, and 26.

Thence I run

West, on a true line bet. secs. 23 and 26.

Over rolling hills and hollows; through dense sagebrush.

Asc.

39.97 Set a sandstone, 18x12x9 ins., 12 ins. in the ground, for
sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

42.00 Top of ridge, 150 ft. above sec. cor., bears N. 30° W. and S. 30°
E.

Desc.

61.75 Bottom of hollow, 125 ft. below ridge, course N. 30° W.

Subdivision of T.3 N., R.23 E.-Continued.

Chains Asc.

79.84 The cor. of secs. 22, 23, 26, and 27.

Land, rolling.

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

79.84 chs.

N. 0° 2' W., bet. secs. 22 and 23.

Over rolling ground; through dense sage brush.

Desc.

18.00 Wash, 10 lks. wide, 3 ft. deep, course E.

26.50 Wash, 50 lks. wide, 15 ft. deep, in bottom of hollow, 150 ft.
below sec. cor., course N. 30° W.

Asc.

40.00 Set a quartzite stone, 16x8x5 ins., 11 ins. in the ground, for
sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

41.00 Top of spur, 100 ft. above hollow, bears N. 30° W. and S. 30° E.

Desc.

53.00 Wash, 50 lks. wide, 20 ft. deep, in hollow, 125 ft. below spur,
course N. 70° W.

Asc.

71.00 Top of ridge, 200 ft. above hollow, bears E. and W.

Desc.

80.00 Set a quartzite stone, 18x8x5 ins., 12 ins. in the ground, for
cor. of secs. 24, 15, 22, and 23, mkd. with 3 notches on S. and 2
notches on E. edges; dig pits, 18x18x12 ins. in each sec. 5 $\frac{1}{2}$
ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high,
W. of cor.

Subdivision of T. 3 N. R. 22 E. -Continued

Chains	Land, rolling . Soil, clay loam; 2nd rate. No timber. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs. August 12, 1906: At this cor. I set off $15^{\circ}06'N.$, on the decl. arc; and at 0 h 5 m p.m., l.m.t., I observe the on the meridian, the resulting lat. is $40^{\circ}59'N.$, which is the proper lat. nearly.
	East, on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, at the cor. of secs. 13, 14, 23, and 24. Thence I run West, on a true line bet. secs. 14 and 23. Over mountainous land (rolling); through dense sage brush. Desc. gradually.
22.50	Gringstone spring bears N. 1.00 chs. dist. discharge about six gallons per minute, course W.
23.00	Spring branch, 10 lks. wide, 1 in. deep, course S. $20^{\circ}E.$
31.25	Spring branch, 10 lks. wide, 2 ins. deep, in bottom of hollow, 150 ft. below sec. cor., course NW. Asc.
40.00	Set a sandstone, $16 \times 10 \times 4$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; dig pits, $18 \times 18 \times 12$ ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
55.00	Top of spur, 200 ft. above hollow, bears N. and S. Desc. gradually.

Section 14, T 3 N R 22 E - Cont. road

Chains

80.00 The cor. of secs. 14, 15, 22 and 23.

Land, mountainous.

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

For reasons already explained I run

N. 0° 2' W., on a true line bet. secs. 14 and 15.

Over rolling mountainous land; through dense sage brush.

Desc. gradually.

12.00 Wash, 20 lks. wide, 4 ft. deep, in bottom of hollow, 50 ft.
below sec. cor., course N. 70° W.

Asc.

16.50 Top of spur, 100 ft. above hollow, bears N. 70° W. and S. 70° E.

Desc.

26.00 Wash, 15 lks. wide, 20 ft. deep, in bottom of hollow, 150 ft.
below spur, course N. 70° W.

Asc.

40.00 Set a cobblestone, 18x9x5 ins., 12 ins. in the ground, for
¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone,
2 ft. base, 1½ ft. high, W. of cor.

44.78 Ledge 50 ft. high, on top of ridge, 300 ft. above hollow, bears
N. 80° W. and S. 80° E.

Enter scattering timber, bears with ridge.

Desc.

52.65 Intersect Utah-Wyoming bdy., 25.56 chs. N. 89° 31' E., of the
282 mile cor., heretofore described.

Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for
closing cor. of frac. secs. 14 and 15, mkd. C C U on S., W. on

Subdivision of T.3 N., R.22 E.- Continued.

Chains N., with 2 grooves on E. and 4 grooves on W. faces; from which

A cedar, 8 ins. dia., bears S. $76^{\circ}30'E.$, 66 lks.
dist. . mkd. T 3 N R 22 E S 14 B T.

No other trees within limits, raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

This cor. is in bottom of hollow, 150 ft. below ridge, course
N. $70^{\circ}W.$

Land, mountainous .

Soil, clay loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
52.65 chs.

August 12, 1906.

August 13, 1906: At 7 h 5 m a.m., l.m.t., I set off $40^{\circ}57'N.$,
on the lat. arc; $14^{\circ}53'N.$, on the decl. arc; and determine a
meridian with the solar at the cor. of secs. 3, 4, 33, and 34,
on S. bdy. of Tp., heretofore described.

Thence I run

N. $0^{\circ}2'W.$, bet. secs. 33 and 34.

Over mountainous land; through scattering timber and
dense undergrowth. Asc.

20.00 Enter ledges, bears E. and W.

40.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for
sec. cor. . mkd. $\frac{1}{2}$ on W. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

50.00 Leave ledges, bears E. and W.

54.00 Top of ridge, 800 ft. above sec. cor., bears N. $80^{\circ}E.$ and S. $80^{\circ}W.$

Desc.

68.00 Bottom of hollow, 100 ft. below ridge, course S. $80^{\circ}W.$

Subdivision of T 3N R 22 E -Continued

- Chains Asc.
- 74.00 Top of ridge, 50 ft. above hollow, bears N. 80° E. and S. 80° W.
Desc. Leave timber, bears with ridge.
- 80.00 Set a ^{stone} quartzite 18x8x6 ins., 12 ins. in the ground, for
cor. of secs. 27, 28, 33, and 34, mkd. with 1 notch on S. and
3 notches on E. edges; dig pits, 18x18x12 ins., in each
sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft.
high, W. of cor.
- Land, mountainous .
- Undergrowth, sage brush.
- Timber, cedar and pinon pine.
- Soil, gravelly; 3rd rate.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth,
80.00 chs.
- East, on a random line bet. secs. 27 and 34.
- 40.00 Set temp. ¼ sec. cor.
- 80.00 Intersect N. and S. line, at the cor. of secs. 26, 27, 34, and
35.
- Thence I run
- West, on a true line bet. secs. 27 and 34.
- Over mountainous land; through dense undergrowth.
- Desc.
- 26.00 Enter scattering timber, bears N. and S.
- 40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for
¼ sec. cor., mkd. ¼ on N. face; and raise a mound of stone,
2 ft. base, 1½ ft. high, N. of cor.
- 47.50 Bottom of hollow, 500 ft. below sec. cor., course N.
Asc.
- 66.00 Top of ridge, 400 ft. above hollow, bears N. and S.
Leave timber.
- Desc.

Subdivision of T 3 N .R 22 E -Continued

Chains	
75.00	Bottom of swale, 25 ft. below ridge, course NW Asc.
80.00	The cor. of secs. 27, 28, 33, and 34. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	<hr/>
	N. 0° 2' W., bet. secs. 27 and 28. Over mountainous land; through dense undergrowth. Desc.
5.00	Bottom of swale, 25 ft. below sec. cor., course NW. Asc.
20.00	Top of ridge, 50 ft. above swale, bears NW and SE. Desc.
40.00	Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for sec. cor., mkd. on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
43.00	Bottom of hollow, 250 ft. below ridge, course N. 40° E. Asc.
47.00	Top of spur, 30 ft. above hollow, bears N. 30° E. and S. 30° W. Desc.
74.00	Top of ridge, 200 ft. below spur, bears NW and SE. Desc.
80.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S., and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous.

Subdivision of T.3 N R 22 E --Continued

Chains Soil, gravelly; 3rd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.00 chs.

August 13, 1906: At 0 h 5 m p.m., l.m.t., The sky is overcast and solar observations are impossible.

East, on a random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor

80.00 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 22, 23, 26, and 27.

Thence I run

S. $89^{\circ}53'W.$, on a true line bet. secs. 22 and 27.

Over mountainous land; through dense undergrowth.

Asc.

1.00 Top of ridge, bears NW and S. $10^{\circ}W.$

Desc.

11.00 Wash, 10 lks. wide, 3 ft. deep, in bottom of hollow, course N. $50^{\circ}W.$

Asc.

27.00 Top of ridge, 100 ft. above hollow, bears N. $60^{\circ}W.$ and S. $60^{\circ}E.$

Desc.

34.00 Bottom of hollow, 50 ft. below ridge, course N. $55^{\circ}W.$

Asc.

40.00 Set a sandstone, 15x8x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

42.00 Top of spur, 100 ft. above hollow, bears NW. and SE.

Desc.

Subdivision of T.3 N. R. 22 E. Continued

Chains

- 47.00 Bottom of hollow, 100 ft. below ridge, course N. 30° W.
Asc.
- 56.00 Top of ridge, 150 ft. above hollow, bears NW and SE.
Desc.
- 60.00 Bottom of hollow, 70 ft. below ridge, course N. 60° W.
Asc.
- 80.00 The cor. of secs. 21, 22, 27, and 28.
Land, mountainous.
Soil, gravelly and clay loam; 2nd rate.
No timber.
Undergrowth, sage-brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
80.00 chs.
-
- N. 0° 2' W., bet. secs. 21 and 22.
Over mountainous land; through dense sage brush.
Desc.
- 15.00 Bottom of hollow, 100 ft. below sec. cor., course N. 50° W.
Asc.
- 28.00 Top of ridge, 50 ft. high, bears NW. and SE.
Desc.
- 40.00 Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for
¼ sec. cor., mkd. ¼ on W. face; dig pits, 18x18x12 ins., N. and
S. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft.
base, 1½ ft. high, W. of cor.
- 44.00 Bottom of hollow, 60 ft. deep, course NW.
Asc.
- 59.00 Top of ridge, 100 ft. above hollow, bears N. 50° W. and S. 50°
E.
Desc.
- 77.50 Bottom of hollow, 125 ft. below ridge, course W.

Subdivision of " 3-N-E 22-1 -Continued

Chains Asc.

80.00 Set a sandstone, 18x12x10 ins., 12 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, mkd. $3^{\circ}N.$, on NE., 22 E. on SE., with 3 notches on S., and E. edges; and raised mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, clay loam; 2nd rate.

No Timber

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 80.00 chs.

August 13, 1906.

August 14, 1906 At 7 h 5 m a.m., l.m.t., I set off $40^{\circ}59'N.$, on the lat. arc; $14^{\circ}34'N.$, on the decl. arc; and determine a meridian with the solar, at other cor. of secs. 15, 16, 21, and 22.

Thence I run

N. $89^{\circ}53'E.$, on a random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line 7 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

S. $89^{\circ}50'W.$, on a true line bet. secs. 15 and 22.

Over mountainous land; through scattering sage brush.

Asc. gradually.

40.01 Top of ridge, 50 ft. above sec. cor., bears N. $80^{\circ}W.$ and S. $80^{\circ}E.$

Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.; mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Desc.

Subdivision of T.3 N., R.22 E.-Continued.

Chains

44.50 Wash, 10 lks. wide, 3 ft. deep, course S.

80.02 The cor. of secs. 15, 16, 21, and 22.

Land, mountainous.

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 80.02 chs.

For reasons already explained I run

N. 0° 2' W., on a true line bet. secs. 15 and 16.

Over mountainous land; through dense undergrowth.

Asc.

2.00 Ledge, 20 ft. high, on top of spur, 50 ft. above sec. cor.
bears E. and W.

Desc.

23.00 Head of swale, 40 ft. below spur, course NE.

Asc.

31.50 Top of spur, 60 ft. above swale, bears NE and SW.

Desc.

40.00 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for
sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins. N. and
S. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft.
base, 1½ ft. high, W. of cor.

45.00 Wash, 20 ft. deep, 140 lks. wide, course S. 80° W.

Asc.

48.20 Wash, 130 lks. wide, 20 ft. deep, in bottom of hollow,
150 ft. below ridge, course S. 80° W.53.50 Intersect Utah-Wyoming Bdy., 25.06 chs., N. 89° 31' E., of
the 263rd mile cor. heretofore described.

Set a quartzite stone, 16x8x5 ins., 11 ins. in the ground,

40.00 Set a sandstone, 24x10x6 ins., 18 ins. in the ground, for

Subdivision of T.3 N., R.22 E.-Continued.

Chains	$\frac{1}{4}$ sec.cor.mkd. $\frac{1}{4}$ on W.face;from which
1.0	A pinon pine,16 ins.dia.,bears S.64°30'E., 38 lks.dist..mkd. $\frac{1}{4}$ S 33 BT. A pinon pine,14 ins.dia.,bears S.8°15'W., 70 lks.dist..mkd. $\frac{1}{4}$ S 32 B T.
56.00	Top of ridge,800 ft.above sec.cor.,bears E.and W. Leave ledges,bears E.and W. Leave timber bears E.and W. Desc.
80.00	Set a sandstone,20x12x6 ins.,15 ins.in the ground,for cor.of secs.28,29,32,and 33,mkd.with 1 notch on S.and 4 notches on E.edges;and raise a mound of stone,2 ft . base,1 $\frac{1}{2}$ ft.high,W.of cor. Land,mountainous. Soil,gravelly and rocky;3rd and 4th rate. Timber,cedar and pinon pine. Undergrowth,sage brush and service berry and deer brush. Good grass for grazing. Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	East,on a random line bet.secs.28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec.cor.,
80.02	Intersect N.and S.line,at the cor.of secs.27,28,33,and 34. Thence I run West,on a true line bet.secs.28 and 33. Over mountainous land;through dense undergrowth. Asc.
20.00	Top of spur,50 ft.above sec.cor.,bears NW and SE. Enter scattering timber,bears NW and SE. Desc.
40.01	Set a sandstone,20x14x7 ins.,15 ins.,in the ground,for

Subdivision of T N R-22 E -Continued

- Chains $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which,
- A cedar, 5 ins. dia., bears N. $81^{\circ}30'W.$, 123 lks.
dist. mkd. $\frac{1}{4}$ S 28° B. T.
- A cedar, 7 ins. dia., bears S. $75^{\circ}30'W.$, 109
lks. dist. mkd. $\frac{1}{4}$ S 33° B. T.
- 52.00 Bottom of hollow, 300 ft. below spur, course N. $60^{\circ}W.$
Asc.
- 76.00 Top of spur, 200 ft. above hollow, bears NW and SE.
Desc.
- 80.02 The cor. of secs. 28, 29, 32, and 33.
Land, mountainous.
Soil, gravelly; 3rd rate.
Timber, pine and cedar.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
80.02 chs.

August 14, 1906.

August 15, 1906: At 8 h 5 m a.m., l.m.t., I set off $40^{\circ}57'N.$
on the lat. arc; $14^{\circ}14'N.$, on the decl. arc; and determine a
meridian with the solar at the cor. of secs. 28, 29, 32,
and 33.

Thence I run

N. $0^{\circ}3'W.$, bet. secs. 28 and 29.

Over mountainous land; through dense undergrowth.

Desc.

16.00 Bottom of hollow, 200 ft. below sec. cor., course N. $70^{\circ}W.$

Asc.

32.00 Top of ridge, 200 ft. above hollow, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$

Desc.

40.00 Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone,

Subdivision of T 3 N R 22 E - Continued

- Chains 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Point 400 ft. below ridge.
- Set a sandstone, $16 \times 8 \times 6$ ins., 11 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- No timber.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth,
- 80.00 chs.
-
- East, on a random line bet. secs. 21 and 28.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 21, 22, 27, and 28.
- Thence I run
- S. $89^{\circ}58'W.$, on a true line bet. secs. 21 and 28.
- Over mountainous land; through dense sage brush.
- Asc.
- 5.00 Top of ridge, 100 ft. above sec. cor., bears NW and SE.
- Desc.
- 11.00 Bottom of hollow, 100 ft. below ridge; course NW.
- Asc.
- 21.00 Top of ridge, 100 ft. above hollow, bears NW and SE.
- Desc.
- 39.99 Set a sandstone, $16 \times 10 \times 5$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 49.00 Bottom of hollow, 150 ft. below ridge, course NW.
- Asc.

Subdivision of T.3 N., R.22 E.-Continued.

Chains

- 64.00 Wash, 20 lks. wide, 3 ft. deep, course NW.
- 79.98 The cor. of secs. 20, 21, 28, and 29.
Land, mountainous.
Soil, clay loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
79.98 chs.
-
- N. 0° 3' W., bet. secs. 20 and 21.
Over mountainous land; through dense sage.
Desc.
- 31.00 Wash, 20 lks. wide, 6 ft. deep, course NE.
- 40.00 Top of ridge, 50 ft. above wash, bears NE and SW.
Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for
1/4 sec. cor., mkd. on W. face; dig pits, 18x18x12 ins., N. and
S. of stone, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft.
base, 1 1/2 ft. high, W. of cor.
Desc.
- 52.00 Wash, 50 lks. wide, 10 ft. deep, in bottom of hollow, 100 ft.
below ridge, course N. 60° W.
Asc.
- 58.00 Wash, 50 lks. wide, 6 ft. deep, course N. 70° W.
- 64.00 Top of ridge, 200 ft. above hollow, bears E and W.
Desc.
- 77.50 Wash, 75 lks. wide, 10 ft. deep, in bottom of hollow, 150 ft.
below ridge, course W.
Asc.
- 80.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for
cor. of secs. 16, 17, 20, and 21, mkd. with 3 notches on S.,
and 4 notches on E. edges; and raise a mound of stone,

Chains 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
Soil, clay loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
80.00 chs.
August 15, 1906: At 5 h 5 m p.m., l.m.t., The sky is overcast
and solar observations are impossible.

N. $89^{\circ}58'E.$, on a random line bet. secs. 16 and 21.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. and S. line, 10 lks. S. of the cor. of secs.
15, 16, 21, and 22.
Thence I run
S. $89^{\circ}54'W.$, on a true line bet. secs. 16 and 21.
Over mountainous land; through dense undergrowth.
Desc. along side of ridge.
39.98 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.96 The cor. of secs. 16, 17, 20, and 21.
Land, mountainous.
Soil, clay loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
79.96 chs.

Subdivision of T.3 N., R.22 E.-Continued.

Chains

For reasons already explained I run

N. $0^{\circ}3'W.$, bet. secs. 16 and 17.

Over mountainous land; through dense undergrowth.

Asc.

1.40 Top of ridge, 30 ft. above sec. cor., bears E. and W.

Desc.

5.50 Bottom of hollow, 30 ft. below ridge, course N. $80^{\circ}W.$

Asc.

16.50 Top of ridge, 60 ft. above hollow, bears E. and W.

Desc.

23.60 Wash, 200 lks. wide, 25 ft. deep, in bottom of hollow, 150 ft. below ridge, course S. $85^{\circ}W.$

Asc.

40.00 Set a limestone, 20x10x8 ins., 15 ins. in the ground, for
sec. cor. mkd. \times on W. face; dig pits, 18x18x12 ins., one
S. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high, W. of cor.

45.00 Enter scattering timber, bears E and W.

52.00 Intersect Utah-Wyoming bdy. 24.50 chs. N. $89^{\circ}31'E.$, of the
284th mile cor., heretofore described.

Set a limestone, 18x14x4 ins., 12 ins. in the ground, for
closing cor. of frac. secs. 16 and 17, mkd. C C U on S.,
W. on N., with 4 grooves on E. and 2 grooves on W. face;
from which

A red cedar, 4 ins. dia., bears S. $15^{\circ}30'E.$, 21

lks. dist. mkd. T 3 N R 22 E S 16 B T.

A cedar, 6 ins. dia., bears S. $85^{\circ}W.$, 15 lks.

dist. mkd. T 3 N R 22 E S 17 B T.

Land, mountainous.

Soil, clay and sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Subdivision of T.3 N., R.22 E.-Continued.

Chains	Mountainous land, or land covered with dense undergrowth. 52.00 chs.
	From the cor. of secs. 5, 6, 31, and 32, on S. bdy. of Tp., heretofore described.
	I run N. 0° 4' W., bet. secs. 31 and 32.
	Over mountainous land; through heavy timber.
	Asc.
1.00	Top of ridge, 20 ft. above sec. cor., bears E. and W.
	Desc.
11.00	Bottom of hollow, 250 ft. below ridge, course S. 80° E.
	Asc.
19.00	Top of ridge, 300 ft. above hollow, bears E. and W.
	Desc.
31.00	Cattle trail, bears E. and W.
39.00	Bottom of hollow, 150 ft. below ridge, course E.
	Asc.
40.00	Set a limestone, 20x12x5 ins., 15 ins. in the ground, for sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A cedar, 20 ins. dia., bears N. 80° E., 17 lks. dist. $\frac{1}{4}$ S 32 B T. A piñon pine, 8 ins. dia., bears N. 58° 36' W., 37 lks., dist. $\frac{1}{4}$ S 31 B T.
40.25	Begin steep ascent over ledges, bears E. and W.
48.00	Ledge 70 ft. high, on top of ridge, 500 ft. above hollow, bears E. and W.
	There is a gap in this ridge 3.00 chs. east of this point.
	Desc.
50.00	Foot of ledges, bears E. and W.
53.00	Leave timber, bears NW and SE.

Subdivision of T.3 N. R.22 E.-Continued

Chains

- 80.00 Set a quartzite stone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 29, 30, 31, and 32., mkd. with 1 notch on S. and 5 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
Soil, gravelly; 3rd rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 80.00 chs.
- East, on a random line bet. secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 28, 29, 32, and 33.
Thence I run
N. $89^{\circ}58'$ W., on a true line bet. secs. 29 and 32.
Over mountainous land; through dense undergrowth and scattering timber.
Desc.
- 22.00 Bottom of hollow, 200 ft. below sec. cor., course NW.
Asc.
- 29.00 Top of ridge, 100 ft. above hollow, bears NW and SE.
Desc.
- 38.00 Bottom of hollow, 130 ft. below ridge, course NW
Asc.
- 39.98 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.96 The cor. of secs. 29, 30, 31, and 32.
Land, mountainous.
Soil, gravelly; 3rd rate.

Subdivision of T.3 N., R.22 E.-Continued.

Chains Timber, scattering cedar.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 79.96 chs.

August 15, 1906.

August 16, 1906; At 7 h 5 m a.m., l.m.t., I set off $40^{\circ} 57' N.$,
 on the lat. arc; $13^{\circ} 57' N.$, on the decl. arc; and determine
 a meridian, with the solar, at the cor. of secs. 29, 30, 31,
 and 32.

Thence I run

West, on a random line bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.64 Intersect W. bdy. of Tp., at the cor. of secs. 25, 30, 31, and
 36. heretofore described.

Thence I run

East, on a true line bet. secs. 30 and 31.

Over mountainous land; through scattering timber.

Desc.

.25 Bottom of hollow, 10 ft. below sec. cor., course $N. 20^{\circ} E.$

Asc.

17.50 Top of spur, 150 ft. above hollow, bears N. and S.

Desc.

30.50 Bottom of hollow, 200 ft. below ridge, course N.

Asc.

35.50 Top of spur, 100 ft. above hollow, bears N. and S.

Desc.

38.64 Set a sandstone, $18 \times 14 \times 10$ ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{2}$ on N. face; from which

A cedar, 5 ins. dia., bears $N. 22^{\circ} 30' E.$, 43 lks.

Subdivision of T 3 N R 24 E -Continued

Chains	dist..mkd. $\frac{1}{4}$ S 30 B T.
	A pinon pine, 9 ins.dia., bears S.11° 30'E., 34
	lks.dist..mkd. $\frac{1}{4}$ S 31 B T.
40.50	Bottom of hollow, 80 ft. below ridge, course N. Asc. through heavy timber .
42.50	Top of spur, 60 ft. above hollow, bears N. and S. Desc.
49.50	Bottom of draw, 120 ft. below ridge, course N. 10° W. Asc.
54.50	Top of spur, 100 ft. above draw, bears N. and S. Desc.
56.50	Leave heavy and enter scattering timber, bears N. and S.
78.64	The cor. of secs. 29, 30, 31, and 32. Land, mountainous . Soil, gravelly; 3rd rate. Timber, cedar. and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 78.64 chs.
	<hr/>
	N. 0° 4' W., bet. secs. 29 and 30. Over mountainous land; through dense undergrowth. Desc.
40.00	Set a sandstone, 14x10x7 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor..mkd. $\frac{1}{4}$ on W. face; and dig pits, 18x18x12 ins., N. and S. of stone 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
41.00	Wash, 30 lks. wide, 7 ft. deep, in bottom of hollow, 400 ft. below sec. cor., course N. W. Asc.
53.75	Top of ridge, 200 ft. above hollow, bears NW and SE. Desc.
71.50	Bottom of hollow, 100 ft. below ridge, course N. 30° W. Asc.

Subdivision of T. 3 N., R. 22 E. - Continued.

Chains

- 75.50 Top of spur, 50 ft. above hollow, bears N. 30° W. and S. 30° E.
Desc.
- 78.50 Wash 20 lks. wide, 6 ft. deep, in bottom of hollow, 100 ft. below spur, course N. 30° W.
Asc.
- 80.00 Set a quartzite stone, 16x14x6 ins., 11 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, mkd. with 2 notches on S. and 5 notches on E. edges; dig pits, 18x18x12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land, mountainous.
Soil, clay loam; 2nd rate.
No timber.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
80.00 chs.
-
- S. 89° 58' E., on a random line bet. secs. 20 and 29.
- 40.00 Set temp. ¼ sec. cor.
- 79.98 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 20, 21, 28, and 29.
Thence I run
S. 89° 57' W., on a true line bet. secs. 20 and 29.
Over mountainous land; through dense sage brush.
Asc.
- 6.60 Top of ridge, 100 ft. above sec. cor., bears NW and SE.
Desc.
- 20.50 Bottom of hollow, 200 ft. below ridge, course N. 20° W.
Asc.
- 39.50 Top of ridge, 200 ft. above hollow, bears N. 30° W. and S. 30° E.

Subdivision of T.3 N., R.22E. -Continued.

Chains	Desc.
39.99	Set a sandstone, 14x10x6 ins. 9 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.00	Wash, 10 ft. deep, 20 lks. wide, in bottom of hollow, 150 ft. below ridge, course NW.
	Asc.
64.00	Top of spur, 100 ft. above hollow, bears NW and SE.
	Desc.
68.00	Wash, 20 lks. wide, 4 ft. deep, in bottom of hollow, 50 ft. below spur, course NW.
	Asc.
72.00	Top of spur, 70 ft. above hollow, bears N. 70° W. and SE.
	Desc.
79.98	The cor. of secs. 19, 20, 29, and 30.
	Land, mountainous.
	Soil, clay loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	79.98 chs.
	West, on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
76.55	Intersect W. bdy. of Tp., at the cor. of secs. 19, 24, 25, and 30., heretofore described.
	East, on a true line bet. secs. 19 and 30.
	Over mountainous land; through dense undergrowth.
	Asc.
34.00	Top of ridge, 200 ft. above sec. cor., bears N. 60° W. and S. 60° E.
	Desc.

Subdivision of T.3 N. R.22 E.-Continued.

Chains

- 38.55 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for
 4 sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 39.00 Bottom of hollow, 150 ft. below ridge, course NW .
 Asc.
- 48.50 Top of ridge, 150 ft. above hollow, bears NW and SE.
 Desc.
- 71.70 Bottom of hollow, 180 ft. below ridge, course NW .
 Asc.
- 75.00 Top of spur, 50 ft. above hollow, bears NW and SE.
 Desc.
- 77.50 Wash, 25 lks. wide, 8 ft. deep, in bottom of hollow, 30 ft. be-
 low ridge, course N. 30° W.
 Asc.
- 78.55 The cor. of secs. 19, 20, 29, and 30.
 Land, mountainous.
 Soil, gravelly and clay loam; 2nd rate.
 No timber .
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 78.55 chs.
 August 16, 1906: At this cor. I set off $13^{\circ} 52' N.$, on the decl.
 arc; and at 0 h 5 m p.m., l.m.t., I observe the sun on the
 meridian, the resulting lat. is $40^{\circ} 58' N.$, which is the
 proper lat. nearly.
-
- N. $0^{\circ} 4' W.$, bet. secs. 19 and 20.
 Over mountainous land; through dense undergrowth.
 Asc.
- 2.00 Top of spur, 10 ft. above sec. cor., bears E. and W.
 Desc.

Subdivision of T.13 N. R. 22 E -Continued

Chains	
7.00	Wash, 40 lks. wide, 9 ft. deep, in bottom of hollow, 50 ft. below spur, course W. Asc.
12.00	Top of ridge, 250 ft. above hollow, bears E. and W. Desc.
40.00	Set a quartzite stone, 14x8x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
53.00	Wash, 50 lks. wide, 7 ft. deep, course N. 70° W.
64.00	Wash, 60 lks. wide, 30 ft. deep, in bottom of hollow, 200 ft. below ridge, course W. Asc.
74.00	Enter scattering timber, bears E. and W.
75.50	Top of ridge, 300 ft. above hollow, bears E. and W. Leave timber, bears E. and W. Desc.
80.00	Set a sandstone, 18x12x9 ins., 12 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, mkd. with 3 notches on S. and 5 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, gravelly and clay loam; 2nd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	N. 89° 57' E., on a random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 33 lks. N. of the cor. of secs.

Subdivision of T₄ N₁ R₂₂. Continued

Chains	16,17,20,and 21. Thence I run N.89°49'W.,on a true line bet.secs.17 and 20. Over mountainous land;through dense undergrowth. Desc.
21.00	Bottom of hollow,100 ft.below sec.cor.,course N.70°W. Asc.
39.97	Set a sandstone,16x9x7 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
60.90	Top of spur,150 ft.above hollow,bears N.and S. Desc.
79.94	The cor.of secs.17,18,19,and 20. Land,mountainous. Soil,clay loam;2nd rate. No timber. Undergrowth,sage brush. Good grass for grazing. Mountainous land,or land covered with dense undergrowth, 79.94 chs.
	West,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
78.46	Intersect W.bdy.of Tp.,2 lks.N.of the cor.of secs. 13 18,19,and 24,heretofore described. Thence I run N.89°59'E.,on a true line bet.secs.18 and 19. Over mountainous land;through dense undergrowth. Asc.along side of ridge.
38.46	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and dig pits,18x18x12 ins. E.and W.of stone,3 ft.dist.;and raise a mound of earth,

Subdivision of T.3 N R.22 E.-Continuedd

Chains 3½ ft. base, 1½ ft. high, N. of cor.

78.46 The cor. of secs. 17, 18, 19, and 20.

Land, mountainous.

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

78.46 chs.

For reasons already explained I run

N. 0° 4' W., on a true line bet. secs. 17 and 18.

Over mountainous land; through dense undergrowth.

Desc.

18.00 Wash, 100 lks. wide, 20 ft. deep, in hollow, 250 ft. below
sec. cor., course W.

Asc. through scattering timber.

40.00 Set a sandstone, 18x14x7 ins., 12 ins. in the ground, for
sec. cor., mkd. ¼ on W. face; from which

A cedar, 12 ins. dia., bears S. 4° E., 46 lks.
dist. mkd. ¼ S 17 B T.

A cedar, 10 ins. dia., bears S. 80° W., 15 lks.
dist. mkd. ¼ S 18 B T.

49.50 Top of perpendicular ledge, 250 ft. high, bears E. and W.

50.00 Top of ridge, 800 ft. above hollow, bears E. and W.

Desc.

50.26 Intersect Utah-Wyoming bdy., 24.44 chs. N. 89° E., of the
285th mile cor., heretofore described.

Set a sandstone, 30x24x9 ins., 22 ins. in the ground, for
closing cor. of frac. secs. 17 and 18, mkd. C C U on S., W on
N., with 5 grooves on E., and 1 groove on W. face; and raise
a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Land, mountainous.

Subdivision of T.3 N., R.22 E.-Continued.

Chains Soil, clay loam and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
50.26 chs.

August 16, 1906.

GENERAL DESCRIPTION

This township is mostly low rolling mountains and the soil is generally clay and gravelly loam; 2nd rate.

Cedar and pinon pine timber are found in the extreme north and south end of the township.

There are no settlers in the township.

The only water in the township is the Upper and Lower Grindstone springs in secs. 14, 23, and 24., which is insufficient for grazing except in the vicinity of the springs.

There are indications of mineral (copper) in secs. 34 and 35; but not sufficient to return these sections as mineral land.

John R. Stewart
U.S. Deputy Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

For final affidavits see book "Z"¹⁵ Tp.2 N.. R. 20 E., *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

For final affidavits see book "Z"¹⁵ Tp.2 N.. R. 20 E., *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for _____, bearing date of
_____ day of _____, 190____, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for _____, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of _____

For final affidavit see book "Z¹⁵" Tp.2 N.. R. 20 E.

_____ of the
_____ meridian, in the _____ of _____, which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for _____ and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, _____, 190____

The foregoing field notes of the survey of the Subdivisional lines of Township
No.3 North, Range No.22 East of the Salt Lake Base and Meridian,
Utah,

executed by Scott P. Stewart and John R. Stewart
their under his contract No. 225, dated April 30, _____, 1906, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Thomas H. Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
_____, has been correctly copied from the original notes on file in this office

United States Surveyor General

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BOOK A-337

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FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

SUBDIVISION

of

Township No. 3 North, Range No. 20 East,

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors
their

Under ~~123~~ Contract No. 295, dated April 30, 1906, ~~122~~

Retracement
Survey commenced August 17, 1906, ~~122~~

Retracement
Survey completed August 18, 1906, ~~122~~

6-151

Ref. com 109 05 ✓
Res 3-08-60 ✓
" high 72-22 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher Chainman

Leo A. Snow Chainman

Paul Ashworth Moundman

Quinby Stewart Moundman

Alden Oscar Ghedhill Axman

John W. Pickering Axman

John R. Llewellyn Flagman

For preliminary affidavits see book "F" Tp. 3 S.. R. 20 E.

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Volume

R0337

BOOK A-337

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Township 3 North, Range 20 East

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24	25	26	27	28	29
30	31	32	33	34	35

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainman
_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundman
_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axman
_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of _____
_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Retracement Subdivision T.3 N., R.20 E

Survey commenced August 17, 1906, and executed with a Young and Sons light mountain transit, No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

At the cor. of secs. 19, 24, 25, and 30, on E. bdy. of Tp., heretofore described latitude $40^{\circ}58'14''N.$, longitude $109^{\circ}36'31''W.$, I set off $40^{\circ}58'N.$, on the lat. arc; $13^{\circ}38'N.$, on the decl. arc; and at 7 h 4 m a.m., l.m.t., I determine a meridian with the solar.

Note: For complete test of instrument see notes of subdivision of Tp., 3 N., R. 20 E.

Note: Before commencing the subdivision of this township I deem it necessary to retrace the old lines adjacent to my work, therefore

I run

West, on a retracement line bet. secs. 24 and 25.

40.00 Find no trace of old $\frac{1}{4}$ sec. cor. after diligent search set temp. $\frac{1}{4}$ sec. cor.

80.00 Find no trace of old cor. of secs. 23, 24, 25, and 26, after diligent search. Set temp. cor. of secs. 23, 24, 25, and 26, and continue on my line

West bet. secs. 23 and 26.

120.00 Search diligently but fail to find any trace of the old $\frac{1}{4}$ sec. cor. bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.

160.44 The cor. of secs. 22, 23, 26, and 27, which is a sandstone, 5x7x7 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears North 46 lks. dist.

The stone being undersize I destroy it and re-establish

Retracement Subdivision T.3 N., R.20 E.-Continued.

Chains

it in the same place as follows:

Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, mkd. with 2 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Thence I run

west, on retracement line bet. secs. 22 and 27.

40.00 Search diligently but fail to find the ¼ sec. cor. bet. secs. 22 and 27. Set temp. ¼ sec. cor.

80.00 Search diligently but fail to find any trace of the cor. of secs. 21, 22, 27, and 28. Set temp. cor. of secs. 21, 22, 27, and 28, and continued west bet. secs. 21 and 28.

120.00 Search diligently but fail to find any trace of the ¼ sec. cor. bet. secs. 21 and 28. Set temp. cor.

160.44 The cor. of secs. 20, 21, 28, and 29, which is a sandstone, 6x12x5 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 46 lks. dist. August 17, 1906: At 0 h 4 m p.m., l.m.t., The sky is overcast and solar observations are impossible.

S. 2° 45' E., on retracement line bet. secs. 28 and 29.

41.78 The ¼ sec. cor. bet. secs. 28 and 29, which is a sandstone, 6x10x6 ins., above ground, firmly set, and mkd. and witnessed

Retracement Subdivision T 3 N R.20 E -Continued

Chains as described by the surveyor general, bears East 49 lks. dist.

The course of this line is therefore S. $3^{\circ}25'E.$, 41.80 chs.

Begin at the $\frac{1}{4}$ sec. cor. just described,

Thence I run

S. $2^{\circ}45'E.$, on retracement line bet. south halves of secs. 28 and 29.

40.25 The cor. of secs. 28, 29, 32, and 33, which is a limestone, 5x14x4 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears W. 11 lks. dist..

The course of this line is therefore S. $2^{\circ}36'E.$, 40.25 chs.

Note: being unable to find any of the corners bet. the cor. of secs. 20, 21, 28 and 29, and the cor. of secs. 22, 23, 26 and 27, I begin at the cor. of secs. 20, 21, 28, and 29, heretofore described, and run

S. $89^{\circ}50'E.$, on resurvey line bet. secs. 21 and 28.

Over level land;

Asc. gently.

17.00 Begin ascent of ridge, bears NE and SW.

Enter scattering timber, bears NE and SW.

40.11 Search diligently for the old cor. but fail to find it, therefore I

Set a sandstone, 18x10x4 ins., on solid rock in stone mound, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A cedar, 6 ins. dia., bears N. $47^{\circ}30'E.$, 63 dist. mkd. $\frac{1}{4}$ S. 21 B T.

A cedar, 15 ins. dia., bears S. $75^{\circ}10'W.$, 163 lks. dist. mkd. $\frac{1}{4}$ S. 28 B T.

Resurvey Subdivision T.3 N., R.20 E., -Continued.

Chains
40.80 Top of low ridge, 150 ft. above sec. cor., bears N. 80° E. and S. 80° W.
Desc. gradually. c

43.00 Foot of descent, 50 ft. below ridge, bears N. 80° E. and S. 80° W.
Thence over rolling land.

80.22 I again search for the cor. of secs. 21, 22, 27, and 28, but fail to find any trace of it.
Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S. and 3 notches on E. edges; from which
A cedar, 7 ins. dia., bears N. 33° 40' E., 127 lks. dist., mkd. T 3 N R 20 E S 22 B T.
A cedar, 6 ins. dia., bears N. 71° 25' W., 46 lks. dist., mkd. T 3 N R 20 E S 21 B T.
No other trees within limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, nearly level.
Soil, sandy and clay loam; 2nd rate.
Timber, cedar.
Undergrowth, sage brush.
Good grass

August 17, 1906.

August 18, 1906: At 7 h 4 m a.m., l.m.t., I set off 40° 58' N. on the 1st. arc 13° 18' W., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 21, 22, 27, and 28.

Thence I run

S. 86° 50' E., on a resurvey line bet. sec. 22 and 27.

Over rolling ground.

Desc. gently.

40.11 Set a sandstone, 15x9x6 ins., 11 ins. in the ground, for

Resurvey Subdivision T.3 N., R.20 E.-Continued.

Chains

$\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

46.30 Wash, 30 lks. wide, 16 ft. deep, course N. 80° E.

80.22 The cor. of secs. 22, 23, 26, and 27, heretofore described.
Land, nearly level.

Soil, sandy and clay loam; 2nd rate.

No timber.

Good grass.

Note: On account of not being able to find the corners
between the cor. of secs. 22, 23, 26, and 27 and the east
bdy. of Tp., I resurvey said lines as follows:

From the cor. of secs. 22, 23, 26, and 27,

I run

S. 89° 50' E., on a resurvey line bet. secs. 23 and 26.

Over rolling ground; through scattering undergrowth.

40.11 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

I search diligently but fail to find the old $\frac{1}{4}$ sec. cor.

76.50 Road to Linwood, bears NE and SW.

80.22 Search diligently but fail to find any trace of the old
cor. Therefore I

Set a sandstone, 20x10x10 ins., 15 ins. in the ground, for
cor. of secs. 23, 24, 25, and 26, mkd. with 2 notches on S. and
1 notch on E. edges; and raise a mound of stone, 2 ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.

Soil, clay and sandy loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass.

Resurvey Subdivision T 3 N. R 20 E -Continued.

Chains

S. $89^{\circ}50'E.$, on a true line bet. secs. 24 and 25.

Over rolling ground ; through scattering undergrowth.

8.00 Begin ascent of small ridge, bears N. and S.

11.00 Top of low ridge, bears N. and S.

Desc.

22.00 Bottom of hollow, 150 ft, below ridge, course N.

Old wood road in bottom.

Asc.

40.11 I search diligently for the $\frac{1}{4}$ sec. cor. but fail to find it, therefore I

Set a limestone, $14 \times 12 \times 10$ ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

48.00 Top of ridge, 200 ft. above hollow, bears $N. 20^{\circ} W.$ and $S. 20^{\circ} E.$

Desc. over broken ground.

80.22 The cor. of secs. 19, 24, 25, and 30, on E. bdy. of Tp., heretofore described.

Land, mountainous and rolling.

Soil, clay loam and gravelly; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 72.22 chs.

August 18, 1906: At this cor. I set off $13^{\circ}14' N.$, on the decl. arc; and at 0 h 4 m p. m., l. m. t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}58' N.$, which is the proper lat. nearly

August 18, 1906.

John R. Stewart
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart
 United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of Settlements of fractional subdivisions of T. 3 S. R. 20 E., Salt Lake Base and Meridian, Utah, T. 3 N. R. 20 E. of the
 showing the respective capacities in which they acted:

Harvey Fletcher Chairman.
Leo A. Snow Chairman.
Paul Ashworth Moundman.
Quinby Stewart Moundman.
John W. Pickering Arman.
Alden Oscar Schmitt Arman.
John R. Lewellyn Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart
 United States Deputy Surveyor, in surveying all
 use parts or portions of the Settlements of fractional subdivisions
of T. 3 S. R. 20 E.; ; and T. 3 N. R. 20 E.

..... of the Salt
Lake Base and Meridian, State of Utah, which are represented
 the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah

Harvey Fletcher Chairman.
Leo A. Snow Chairman.
Paul Ashworth Moundman.
Quinby Stewart Moundman.
Alden Oscar Schmitt Arman.
John W. Pickering Arman.
John R. Lewellyn Flagman.

described and sworn to before me this 24th
 day of August, 1906



John R. Stewart
 U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Scott P. Stewart and John R. Stewart, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from *Thomas Hull*
United States Surveyor General for *Utah*, bearing date of *30th*
day of *April*, 1906, *me* have well, faithfully, and truly, in my c.
proper person, and in strict conformity with the instructions furnished by the United States Survey-
General for *Utah*, the Manual of Surveying Instructions, and the laws of t
United States, surveyed all those parts or portions of *the Retracement of fracture*
subdivisions of T. 3 N. R. 20 E.; and T. 3 N.
R. 20 E.

of the *Salt Lake*
Base and meridian, in the *State* of *Utah*, which are represented in +
in books "F" and Z10
foregoing field notes as having been surveyed by *us*, and under *my* direction; and I do further solemn
swear that all the corners of said survey have been established and perpetuated in strict accordance wi
the Manual of Surveying Instructions, and the special written instructions of the United States Survey
General for *Utah* and in the specific manner described in the field notes, and t
the foregoing are the original field notes of such survey.

Scott P. Stewart and *John R. Stewart*
United States Deputy Surveyor
Subscribed by said *John R. Stewart*, and sworn to before me)

this *30th* day of *January*, 1907



Thomas Hull
U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 1907

The foregoing field notes of the survey of *the Retracement of the Subdivision-*
al lines of Township No. 3 North, Range No. 20 East of the Salt Lak
Base and Meridian, Utah,

executed by *Scott P. Stewart and John R. Stewart*
their under his contract No. *295*, dated *April 30*, 1906, having b
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office

United States Surveyor General

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BOOK A-337

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FIELD NOTES

OF THE SURVEY OF THE

SOUTH BOUNDARY

of

Township No. 3 North, Range No. 20 East,

Of the Salt Lake Base, and Meridian,
State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors,

under their Contract No. 295, dated April 30, 1906.

Survey commenced August 18, 1906.

Survey completed August 19, 1906.

high 3.76-62 ✓
clay 9.00 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher	Chainman
Leo A. Snow	Chainman
Paul Ashworth	Moundman
Quinby Stewart	Moundman
Alden Oscar Gledhill	Axman
John W. Pickering	Axman
John R. Llewellyn	Flagman

For preliminary affidavits see book "A", Tp. 4 S., R. 20 E.

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		2	4	5	6

Meanders Page.. ..

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey;

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____
day of _____, 190 _____



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey;

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____
day of _____, 190 _____



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey;

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____
day of _____, 190 _____



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of _____

_____, Flagman

Subscribed and sworn to before me this _____
day of _____, 190 _____



South bdy. T. 3 N., R. 20 E.

Survey commenced August 18, 1906, and executed with a Young and Sons light mountain transit No., 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the cor. of Tps. 2 and 3 N., Rs. 20 and 21 E., heretofore described, Latitude $40^{\circ}56'30''$ N., longitude $109^{\circ}36'31''$ W., I set off $40^{\circ}57'$ N., on the lat. arc; $13^{\circ}11'$ N., on the decl. arc; and at 4 h 4 m. a.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 9 h 44 m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 18, 1906.

August 19, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.33 ins. east of the mark determined by the solar.

At 7 h 4 m a.m., l.m.t., I set off $40^{\circ}57'$ N., on the lat.

South bdy. T. 3 N., R. 20 E. -Continued.

Chains arc; $13^{\circ}0'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; on which the meridian falls 0.44 ins. east of the meridian established by Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0^{\circ}17'$ west and $0^{\circ}23'$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic declination is $16^{\circ}44'E.$

From the cor. of Tps. 2 and 3 N., Rs. 20 and 21 E.,

Iron

West, on a random line along south bdy. of Tp., setting temp. \bar{x} sec. and sec. cor. at intervals of 40.00 chs., and at 316.63 chs., fall 9.00 chs. N. of the cor. of secs. 4, 5, 32, and 33, which is quartzite $7 \times 6 \times 4$ ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

The falling is out of limits; therefore I abandon the random line and begin at the cor. of secs. 4, 5, 32, and 33, and run

East, on a true line bet. secs. 4 and 33.

Over mountainous land; through scattering timber and dense undergrowth.

Asc.

6.50 Top of spur, 100 ft. above sec. cor., bears $N. 20^{\circ}W.$ and $S. 20^{\circ}E.$

Desc.

9.80 Bottom of hollow 60 ft. below spur, course $N. 30^{\circ}W.$

Asc.

17.60 Top of spur, 100 ft. above hollow, bears N. and S.

Desc.

29.80 Old wood road, in bottom of hollow, 150 ft. below ridge, course $N. 30^{\circ}W.$

South bdy.T.3 N.,R.20 E.-Continued.

- Chains Asc.
- 36.63 Set a limestone, 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N., and U F R on S. faces; from which
 A cedar, 12 ins. dia., bears N. 15° 30' E., 55 lks. dist. mkd. $\frac{1}{4}$ S 33 B T.
 A cedar, 4 ins. dia., bears S. 24° 30' E., 21 lks. dist. mkd. $\frac{1}{4}$ S 4 B T.
- 44.60 Ledge, 40 ft. high, on top of ridge, 200 ft. above hollow, bears N. and S.
 Desc.
- 56.50 Bottom of hollow, 300 ft. below ridge, course NW.
 Asc.
- 69.00 Top of ridge, 350 ft. above hollow, bears NW and SE.
 Desc.
- 76.63 Set a sundstone, 16x12x8 ins., 11 ins. in the ground, for cor. of secs. 3, 4, 53, and 34, mkd. with 3 notches on E., and W. edges; and U F R on SE face; from which
 A cedar, 6 ins. dia., bears N. 56° 35' E., 17 lks. dist. mkd. T 3 N R 20 E S 34 B T.
 A cedar, 7 ins. dia., bears S. 59° 35' E., 13 lks. dist. mkd. T 2 N R 20 E S 3 B T.
 A cedar, 6 ins. dia., bears S. 79° 05' W., 40 lks. dist. mkd. T 2 N R 20 E S 4 B T.
 A cedar, 5 ins. dia., bears N. 69° 25' W., 52 lks. dist. mkd. T 3 N R 20 E S 33 B T.
- Land, mountainous.
 Soil, gravelly ; 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 76.63 chs.
- August 19, 1906: At this cor. I set off 12° 55' N., on the decl. arc; and at 0 h 4 m p.m., l.m.t., I observe the sun

South bdy.T.3 N.,R.20 E.=Continued.

Chain on the meridian, the resulting lat. is $40^{\circ}57'N.$, which is the proper lat. nearly.

East, on a true line bet. secs. 3 and 34.

Over mountainous land; through heavy timber.

Desc.

3.50 Bottom of hollow, 50 ft. below sec. cor., course $N.50^{\circ}W.$

Asc.

32.00 Top of ridge, 200 ft. above hollow, bears N.E and SW.

Desc.

32.31 Top of perpendicular ledge, 300 ft. high, bears NE and SW.

This ledge runs northeasterly about 4 miles.

40.00 Set a sandstone, $20 \times 12 \times 8$ ins., 15 ins. in the ground, for
sec. cor. mkd. $\frac{1}{4}$ on N. and U FR on S. faces; from which

A cedar, 10 ins. dia., bears $N.20^{\circ}E.$, 44 lks.

dist. mkd. $\frac{1}{4}$ S 34 B T.

A cedar, 8 ins. dia., bears $S.52^{\circ}W.$, 38 lks.

dist. mkd. $\frac{1}{4}$ S 3 B T ..

Leave heavy and enter scattering timber, bears NE and SW.

60.00 Leave timber, bears NE and SW.

Enter dense undergrowth, bears NE and SW.

70.00 Foot of steep descent, 1000 ft. below ridge, bears NE and SW.

80.00 Set a limestone, $20 \times 12 \times 6$ ins., 15 ins. in the ground, for
cor. of secs. 2, 3, 34, and 35, mkd. with 2 notches on E., and
4 notches on W. edges; and U FR on SE face; and raise a
mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous .

Soil, gravelly; and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

South bdy. T. 3 N., R. 20. E. - Continued.

Chains

East, on a true line bet. secs. 2 and 35.

Over mountainous land; through dense undergrowth.

Desc.

11.55 Road from Nielson's Ranch to Linwood, bears N. 30° E. and S. 60° W.

12.86 Old road, bears N. 80° E. and S. 80° W.

14.30 Wash, 7 ft. deep, 20 lks. wide, course NE.

17.13 Same wash, course SE.

17.50 Same wash, course N. 60° E.

19.20 Road, bears N. 80° W. and S. 80° E.

25.50 Right bank of Green River.

Set a limestone, 20x12x5 ins., 15 ins. in the ground, for meander cor. of fracl. secs. 2 and 35, mkd. M C on E., U F R on S., with 6 grooves on N. and S. faces; also R 20 E on W.,

T 3 N S 35 on N., T 2 N S 2 on S., from which

To determine the distance across the river I set a flag on line on Left bank of river, and measure a base South 10.29 chs. to point from which the flag bears N. 54° 38' E., and from the flag the south end of base bears S. 54° 38' W., the distance across the river is therefore

$\tan 54^{\circ} 38' \times \text{base}$, or $1.40887 \times 10.29 = 14.50$ chs.

Left bank of Green River, is therefore 14.50+25.50 makes

40.00 Left bank of Green River.

Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for meander cor. of fracl. secs. 2 and 35, and $\frac{1}{4}$ sec. cor., mkd. M C on W., $\frac{1}{4}$ on N., with 6 grooves on N. and S. faces; and

R 20 E on E., T 3 N S 35 on N., T 2 N S 2 on S., faces; from which A red cedar, 12 ins. dia., bears S. 20° E., 132

lks. dist., mkd. T 2 N R 20 E S 2 M C $\frac{1}{4}$ B T.

No other trees within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

E. 14.50

South

10.29

54° 38'

N. 54° 38' E.

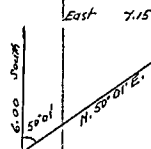
South bdy.T.3 N.,R.20 E.-Continued.

Chains	Asc.through scattering timber ,and dense undergrowth.
72.00	Top of ridge,500 ft.above river,bears N.20°W.and S.20°E .
	Desc.
80.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for cor.
	of secs.1,2,35, and 36,mkd.with 1 notch on E.and 5 notches
	on W.edges;from which
	A cedar,11 ins.dia.,bears N.11°45'E.,67 lks.
	dist..mkd.T 3 N R 20 E S 36 B T.
	A cedar,6 ins.dia.,bears S.80°E.,58 lks
	dist..mkd.T 2 N R 20 E S 1 B T.
	A cedar,5 ins.dia.,bears S.8°W.,66 lks.
	dist..mkd.T 2 N R 20 E S 2 B T.
	A cedar,7 ins.dia.,bears N.27°W.,87 lks.
	dist..mkd.T 3 N R 20 ES 35 B T.
	Land,mountainous .
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.

	East,on a true line bet.secs.1 and 36.
	Over mountainous land;through scattering timber and
	scattering sage brush.
	Desc.
8.50	Leave timber,bears N.35°W.and S.35°E.
13.00	Enter scattering timber,bears N.30°W.and S.30°E.
21.50	Bottom of hollow,100 ft.below ridge,course N.30°W.
	Asc.
25.50	Top of ridge,100 ft.above hollow,bears N.30°W.and S.30°
	E.

S. bdy. T. 3 N., R. 20 E., -Continued

Chains	Desc.
26.00	Enter heavy timber, bears N. and S.
32.50	Bottom of hollow, 200 ft. below ridge, course N. 20° W.
	Asc.
36.50	Top of spur, 80 ft. above hollow, bears N. 20° W. and S. 20° E.
	Desc.
40.00	Set a limestone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which A cedar, 7 ins. dia., bears N. 42° E., 34 lks. dist. mkd. $\frac{1}{4}$ S 36 B T. A cedar, 20 ins. dia., bears S., 25 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.
45.00	Perpendicular ledge, 50 ft. high, bears N. and SE.
49.61	Left bank of Green River : Set a sandstone, 24x10x9 ins., 18 ins. in the ground, for meander cor. of fracl. secs. 1 and 36, mkd. M C on E., R 20 E on W., T 3 N S 36 on N., T 2 N S 1 on S., with 6 grooves on N. and S. faces; from which A red cedar, 16 ins. dia., bears N. 82° 30' W. @ 40 lks. dist. mkd. T 3 N R 20 E S 36 M C B T. A red cedar, 25 ins. dia., bears S. 9° E., 56 lks. dist. mkd. T 2 N R 20 E S 1 M C B T. To determine the distance across the river I set a flag on line on Right bank of river and measure at base South 6.00 chs. to a point from which the flag bears N. 50° 01' E. and from the flag the south end of base bears S. 50° 01' W. The distance across the river is therefore $\tan 50^\circ 01' \times \text{base, } 0.19246 \times 6.00 = 7.15 \text{ chs. which}$ added to 49.61 chs. makes
56.76	Right bank of river. Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for meander cor. of fracl. secs. 1 and 36, mkd. M C on W., R. 20 E. on E., T. 3 N. S 36 on N., T. 2 N S 1 on S., with 6 grooves on N. and S. faces; from which



S.bdy.T.3 N.,R.20 E.-Continued.

Chains

A cedar, 16 ins., dia., bears N.48°W., 49 lks.
dist..mkd.T 3 N R 20 E S 36 M C B T.

A cedar, 9 ins., dia., bears S.88°E., 59 lks.
dist..mkd.T 2 N R 20 E S 1 M C B T.

Ascend abruptly over ledge and through heavy timber.

80.00 Intersect Tp.line, 9.00 chs.S.of the cor.of Tps.2 and 3
N.,rs.20 and 21 E.,heretofore described.

Set a limestone, 24x18x6 ins., 18 ins.inthe ground, for
closing cor.of Tps.2 and 3 N.,R.20 E.,mkd.C C on W.,
with 6 grooves on N.,E.,and W.faces; from which

A cedar, 8 ins., dia., bears N.24°45'W., 46 lks
dist..mkd.T 3 N R 20 E S 36 BT.

A cedar, 9 ins., dia., bears S.10°W., 8 lks.
dist..mkd.T 2 N R 20 E S 1 BT.

Note: I destroy all marks on the cor.of Tps.2 and 3 N.,Rs.
20 and 21 E., which pertain to Tp.2 and 3 N.,R.20 E.

Land, mountainous .

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

August 19, 1906.

Boundaries of T.3 N., R.20 E.-

Boundaries of T.3 N., R.20 E.

Latitudes, departures, and closing errors.

Line designated	Course	Distance	Latitudes		Departures	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
S.bdy.T.3 N., R.20 E., West		.316.63.				.316.63.
W.bdy.sec 33 in T.3 N., R.20 E.	N.02°03'W.	80.00	80.00			.07
W.bdy.Sec.28 in T.3 N., R.20 E.	N.2°36'W.	40.25	40.21			1.83
W.bdy.sec.28 in T.3 N., R.20 E.	N.3°25'W.	41.80	41.73			2.49
N.bdy.secs.25, 26, 27, and 28, T.3 N., R.20 E.	S.89°59'E.	320.88		.93	320.88	
E.bdy.T.3 N., R.20 E. South		161.71		161.71		
Convergency					.14	
Totals			161.94	162.64	321.02	321.02
				161.94		
Error in lat.				.70		

GENERAL DESCRIPTION.

This township is is very rough in the southwestern part and more rolling in other parts. It is well watered, and should be subdivided.

August 19, 1906.

John R. Stewart
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart

..... United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of the S. W. and fractional
N. 1/4 Sec. 20 E.; S. 1/4 Sec. 19 E.; S. 1/4 Sec. 18 E.;
W. 1/4 Sec. 22 E.; S. 1/4 Sec. 20 E. of Salt Lake Base and meridian

showing the respective capacities in which they acted:

Harvey Fletcher Chairman.
Leo P. Snow Chairman.
Paul Ashworth Moundman.
Quincy Stewart Moundman.
Alden Oscar Goodrich Arman.
John W. Pickering Arman.
John R. Sewelllyn Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart

..... United States Deputy Surveyor, in surveying all

those parts or portions of the S. W. and fractional N. 1/4 Sec. 20 E.;
S. 1/4 Sec. 19 E.; S. 1/4 Sec. 18 E.;
W. 1/4 Sec. 22 E.; S. 1/4 Sec. 20 E.

..... of the Salt Lake
Base and meridian, State of Utah which are represented
 the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 is been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah.

Harvey Fletcher Chairman.
Leo P. Snow Chairman.
Paul Ashworth Moundman.
Quincy Stewart Moundman.
Alden Oscar Goodrich Arman.
John W. Pickering Arman.
John R. Sewelllyn Flagman.

described and sworn to before me this 29th
 day of August, 1906

OOOOOO
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John R. Stewart
 U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We Scott P. Stewart and John R. Stewart
....., United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from *Thomas Hull*
United States Surveyor General for *Utah*, bearing date of
30th day of *April*, 190*6*, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for *Utah*, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of *the S.W. and fractional N.E. 1/4 S.R. 20 E.; S. 1/4 S.R. 19 E.; E. 1/4 S.R. 19 E.; W. 1/4 S.R. 19 E.; S. 1/4 S.R. 20 E.*

..... of the *Salt Lake*
Base and meridian, in the *State* of *Utah*, which are represented in
in books A.G.J. *22* and *24*, as having been surveyed by *me*, and under *my* direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for *Utah* and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

Scott P. Stewart
and
Subscribed by said *John R. Stewart*, and sworn to before me
this *1st* day of *January*, 190*7*



Scott P. Stewart
John R. Stewart
United States Deputy Surveyor
Thomas Hull
U.S. Surveyor-General

APPROVAL.
for Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 190*7*

The foregoing field notes of the survey of *the South Boundary of Township No. 3 North, Range No. 20 East of the Salt Lake Base and Meridian, Utah.*

executed by *Scott P. Stewart and John R. Stewart*
under his contract No. *295*, dated *April 30*, 190*6*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-337

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION AND MEANDER LINES

of

Township No. 3 North, Range No. 20 East,

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyor, S

their

Under ~~his~~ Contract No. 295, dated April 30, 1906, ~~xxx~~

Survey commenced August 19, 1906, ~~xxx~~

Survey completed August 22, 1906, ~~xxx~~

6-151

High
Low

Clg
No. on elev high
" Low

9.47.88 ✓
33.00 ✓
9.44 ✓
565.74 ✓
5.32 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher

Chainman

Leo A. Snow

Chainman

Paul Ashworth

Moundman

Quinby Stewart

Moundman

Alden Oscar Gledhill

Axman

John W. Pickering

Axman

John R. Llewellyn

Flagman

For preliminary affidavits see book "C" Tp. 4 S. . . R. 20 E.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level +
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainman
_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundman
_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axman
_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Subdivision of T.3 N..R.20 E.

Survey commenced August 19th 1906, and executed with a Young and Sons light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the Surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation; I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described, latitude $40^{\circ}56'30''$ N., longitude $109^{\circ}37'39''$ W.,

I set off $40^{\circ}57'$ N., on the lat. arc; $12^{\circ}52'$ N., on the decl. arc; and at 5 h 4 mp.m., l.m.t., I determine a meridian with the solar, and mark a point thereon on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 9 h 40m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined, on a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 19, 1906.

August 20, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the mark determined with the solar.

At 7 h 3 m a.m., l.m.t., I set off $40^{\circ}57'$ N., on the lat. arc;

Subdivision of T. 3. N. R. 32. E. Continued

Chains 12° 40' N., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of cor.; this mark falls 0.39 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0° 21' west and 0° 21' east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., l.m. is N. 16° 45' W., the angle thus determined gives the mag. decl. 16° 45' E.

From the cor. of secs. 1, 2, 35, and 36, heretofore described. I run

N. 0° 1' W., bet. secs. 35 and 36.

Over mountainous land; through scattering timber.

Desc.

14.00 Leave timber, bears N. 40° W. and S. 30° E.

13.00 Enter scattering timber, bears NW and SE.

40.00 Set a sandstone, 24x8x5 ins., 18 ins. in the ground, for ¼ sec. cor. mkd. ¼ on W. face; from which

A cedar, 11 ins. dia., bears N. 75° 30' E., 45 lks. dist. mkd. ¼ S 36 B T.

A cedar, 5 ins. dia., bears S. 63° 30' W., 45 lks. dist. mkd. ¼ S 35 B T.

45.05 Left bank of Green River.

Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for meander cor. of fracl. secs. 35 and 36, mkd. M C on N., with 1 groove on E. faces; from which

A red cedar, 24 ins. dia., bears S. 15° E., 63 lks. dist. mkd. T 3 N R 20 E S 36 M C B T.

A cedar, 28 ins. dia., bears S. 18° W., 66 lks.

Subdivision of T. 3 N., R. 20 E. - Continued

Chains

dist. mkd. T 3 N R 20 E S 35 M C B T.

Note: This line crossed island in river which should be meandered; therefore I determine distance to south side of island as follows:

Set a flag on line on south side of island and measure a base S. 89° 59' W., 6.10 chs., to point from which flag bears N. 36° 08' E., and from the flag the west end of base bears S. 36° 08' W., therefore to determine the distance across we have tan 53° 51' x base, or $1.36883 \times 6.10 = 8.35$ chs. which added to 45.05 makes

53.40 In place of the flag on south side of island, Set a sandstone, 18x10x7 ins., 12 ins. in the ground, for meander cor. of frac. secs. 35 and 36, mkd. M C on S., and 1 groove on E. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Thence across island.

56.18 North side of island. Set a sandstone, 18x12x5 ins., 11 ins. in the ground, for meander cor. of frac. secs. 35 and 36, mkd. MC on N., with 1 groove on E. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. To determine the distance from this cor. to right bank of river I stretch a steel tape across which gives 1.88 chs. which added to 56.18 chs., makes

58.06 Right bank of river. Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for meander cor. of frac. secs. 35 and 36, mkd. MC on S., with 1 groove on E. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Thence ascend through dense undergrowth, scattering timber.

67.00 Begin abrupt ascent over ledges, bears N. 80° W. and S. 80° E.

80.00 Point for cor. falls on stationary sandstone boulder, 3x2x2 ft. above ground, on which I cut a cross (x) at the exact point for cor. of secs. 25, 26, 35, and 36, mkd. with 1

N. 36° 08' E.
53° 51'
6.10

Subdivision of T.3 N., R.20 E.-Continued.

Chains notch on S. and E. edges; from which

A cedar, 12 ins. dia., bears N. 40° 40' E., 40
dist..mkd.T 3 N R 20 E S 25 B T.

A cedar, limb, 8 ins. dia., bears S. 41° 45' E., 63
lks. dist..mkd.T 3 N R 20 E S 36 B T.

A cedar, 8 ins. dia., bears S. 59° 05' W., 38 lks.
dist..mkd.T 3 N R 20 E S 35 B T.

A cedar, 10 ins. dia., bears N. 5° 35' W., 51 lks.
dist..mkd.T 3 N R 20 E S 26 B T.

Land, mountainous .

Soil, gravelly ; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage and willows.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

Note: Knowing from previous connections that the line bet.
secs. 25 and 36 will not intersect E. bdy. of Tp., within
the prescribed limits;

I run

East, on random line bet. secs. 25 and 36, for distance only.

40.00 Set temp. sec. cor.

79.98 Intersect E. bdy. of Tp., 8.78 chs. South of the cor. of secs.
25 and 36, heretofore described.

Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for
closing cor. of secs. 25 and 36, mkd. C C on W., with 1
groove on S. and 5 grooves on N. faces; from which

A cedar, 8 ins. dia., bears S. 59° W., 67 lks.
dist..mkd.T 3 N R 20 E S 36 B T.

A cedar, 6 ins. dia., bears N. 45° W., 64 lks.
dist..mkd.T 3 N R 20 E S 25 B T.

Note: I destroy all marks on the cor. of secs. 25 and 36.

V X X

Subdivision of T.3 N., R.20 E.-Continued.

Chains which pertain to secs. 25 and 36.

Thence I run

West, on a true line bet. secs. 25 and 36.

Over mountainous land; through scattering timber and dense sage brush.

Asc.

1.50 Top of spur, 100 ft. above sec. cor., bears NW and SE.

Desc.

7.25 Bottom of hollow, 150 ft. below spur, course S. 60° E.

Asc.

12.00 Top of spur, 150 ft. above hollow, bears N. 60° W. and S. 60° E.

Desc.

17.00 Bottom of hollow, 100 ft. below spur, course S. 60° E.

Asc.

39.99 Set a sandstone, 18x9x8 ins., 12 ins. in the ground, for
sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

62.00 Top of ridge, 500 ft. above hollow, bears NW and SE.

Desc. over ledges.

79.98 The cor. of secs. 25, 26, 35, and 36.

Land, mountainous.

Soil, gravelly and clay loam; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

79.98 chs.

N. 0° 1' W., on a random line bet. secs. 25 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

81.50 Intersect E. and W. line, 23 lks. S. 89° 50' E. of the cor. of
sec. 23, 24, 25, and 26, heretofore described.

Subdivision of T.3 N., R.20 E.-Continued.

Chains	Thence I run
	S.0°10'E., on a true line bet. secs. 25 and 26.
	Over rolling ground, through scattering undergrowth.
	Asc. gradually.
12.00	Ascend mountain, bears E. and W.
	Enter scattering timber, bears E. and W.
20.00	Top of spur, 500 ft. above sec. cor., bears N.80°E. and S.80°W.
	Desc.
21.00	Swale, 20 ft. below spur, course N.80°E.
	Asc.
29.00	Top of ridge, 150 ft. above hollow, bears N.80°E. and S.80°W.
	Desc.
29;50	Top of perpendicular sandstone ledge, 100 ft. high, bears N.80°E. and S.80°W.
	Desc. over ledges.
34.00	Bottom of swale, 250 ft. below ridge, course E.
	Asc.
40.40	Top of perpendicular ledge, 40 ft. high, bears E. and W., which is also top of ridge, 50 ft. above swale, bears E. and W.
	Desc.
41.50	Falls on sandstone ledge (very large) on which I mark a cross (x) at the exact point for $\frac{1}{4}$ sec. cor., and $\frac{1}{4}$ along side; from which
	A long lear-pine, 10 ins. dia., bears N.50°W.,
	54 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.
	A red pine, 8 ins. dia., bears N.64°50'E., 171
	lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
44.75	Wood road, bears E. and W., in bottom of canon, 600 ft. below ridge, course E.
	Asc.
48.00	Top of ledge, 30 ft. high, bears E. and W.
75.50	Top of ridge, 800 ft. above canon, bears E. and W.

Subdivision of T. 3 N., R. 20 E. - Continued

Chains Desc.

76.10 Top of perpendicular ledge of sandstone, 300 ft. high, bears E. and W. This is the same long ledge as noted on the east and south bds. of the township.

Enter ledges, bears E. and W.

81.50 Point 450 ft. below ridge.

Cor. of secs. 25, 26, 35, and 36.

Land, mountainous and rolling.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, pine and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 69.50 chs.

August 20, 1906: At this cor. I set off $12^{\circ} 35' N.$, on the decl. arc; and at 0 h 3 m p.m. l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ} 57' N.$, which is the proper lat. nearly.

From the cor. of secs. 2, 3, 34, and 35, on S. bdy. of Tp., heretofore described.

I run

$N. 0^{\circ} 2' W.$, bet. secs. 34 and 35.

Over mountainous land; through dense undergrowth,

Asc.

10.00 Begin abrupt ascent, bears $N. 30^{\circ} E.$ and SW.

Enter ledges, bears $N. 30^{\circ} E.$ and SW.

16.00 Enter scattering timber, bears NE and SW.

40.00 Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

A cedar, 6 ins. dia., bears $S. 40^{\circ} E.$, 22 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.

A cedar limb, 6 ins. dia., bears $S. 35^{\circ} W.$, 78 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.

Subdivision of T.3 N., R.20 E.-Continued.

Chains

51.28 Top of perpendicular ^{ledge} A, 250 ft. high, bears N. 30° E. and S. 30° W. Same ledge as noted on line bet. secs. 25 and 26.

51.50 Top of ridge, 1100 ft. above sec. cor., bears N. 30° E. and S. 30° W.

Enter heavy timber, bears N. 30° E. and S. 30° W.

Leave ledges, bears N. 30° E. and S. 30° W.

Desc.

80.00 Point 300 ft. below ridge.

Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, mkd. with 1 notch on S. and 2 notches on E. edges; from which

A cedar, 8 ins. dia., bears N. 18° 50' E., 503 lks. dist., mkd. T 3 N R 20 E S 26 B T.

A cedar, 12 ins. dia., bears S. 50° 25' E., 151 lks. dist., mkd. T 3 N R 20 E S 35 B T.

A cedar, 5 ins. dia., bears S. 5° 05' W., 278 lks. dist., mkd. T 3 N R 20 E S 34 B T.

A cedar, 10 ins. dia., bears N. 24° W., 350 lks. dist., mkd. T 3 N R 20 E S 27 B T.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, at the cor. of secs. 25, 26, 35, and 36.

Thence I run

Subdivision of T.3 N. R. 20 E. Sec. 26 and 35

Chains	West, on a true line bet. secs. 26 and 35. Over mountainous land; through scattering timber. Desc. over ledges.
37.00	Bottom of hollow, 600 ft. below sec. cor., course S. Asc. over ledges.
39.95	Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for sec. cor., mkd. $\frac{1}{2}$ on N. face; from which A cedar, 7 ins. dia., bears N. 64° E., 48 lks. dist. mkd. $\frac{1}{4}$ S 26 B T. A cedar, 6 ins. dia., bears S. 29° 30' E., 8 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.
56.00	Top of perpendicular ledge, 300 ft. high, bears N. 80° E. and S. 40° W. Same ledge as noted on line bet. secs. 34 and 35.
56.30	Top of ridge, 800 ft. above hollow, bears N. 80° E. and S. 40° W. Enter heavy timber, bears with ridge. Leave ledges, bears with ridge. Desc.
78.00	Leave heavy and enter scattering timber, bears N. and E.
79.90	Point 250 ft. below ridge. The cor. of secs. 26, 27, 34, and 35. Land, mountainous (very rough) Soil, gravelly and rocky; 3rd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 79.90 chs.
	N. 0° 10' W., on a random line bet. secs. 26 and 27.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
81.50	Intersect E. and W. line, 23 lks. S. 89° 50' E., of the cor. of secs. 22, 23, 26, and 27, heretofore described. Thence I run

Subdivision of T.3 N., R.20 E.-Continued.

- Chains S.0°20'E., on a true line bet. secs. 26 and 27.
Over rolling ground; through scattering undergrowth.
Asc. gradually.
- 8.75 Road to Linwood, bears N.70°E. and S.70°W.
- 21.00 Commence abrupt ascent, bears E. and W.
Enter scattering timber, bears E. and W.
- 41.50 Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for
¼ sec. cor. mkd. 2 on W. face; from which
A cedar, 6 ins. dia., bears N.61°20'E., 12 lks.
dist. mkd. 2 S 26 B T.
A cedar, 10 ins. dia., bears N.61°50'W., 54 lks.
dist. mkd. 2 S 27 B T.
- 53.60 Top of ridge, 700 ft. above sec. cor., bears E. and W.
Enter ledges, bears E. and W.
Desc.
- 60.25 Head of hollow, 300 ft. below ridge, course S.1°E.
Asc.
- 66.50 Top of ridge, 50 ft. above hollow, bears E. and W.
Desc.
- 66.70 Top of perpendicular ledge, 50 ft. high, bears E. and W.
Desc.
- 71.00 Leave ledges, bears E. and W.
Desc. more gradually.
- 77.00 Leave timber and enter dense undergrowth, bears E. and W.
- 78.00 Old wood road bears N.80°E. and S.80°W.
- 79.00 Bottom of hollow, 700 ft. below ridge, course N.60°E.
Asc.
- 81.50 The cor. of secs. 26, 27, 34, and 35.
Land, mountainous and rolling.
Soil, clay loam and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,

6062
21.00

Subdivision of T. 3 N., R. 20 E. - Continued

Chains 60.50 chs.

August 20, 1906.

August 21, 1906. At 7 h 3 m a.m., l.m.t., I set off $40^{\circ}57'N.$, on the lat. arc; $12^{\circ}20'N.$, on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 3, 4, 33, and 34, on S. bdy. of Tp., heretofore described.

Thence I run

N. $0^{\circ}2'W.$, bet. secs. 33 and 34.

Over mountainous land; through heavy timber.

Desc.

2.00 Bottom of hollow, 25 ft. below sec. cor., course N. $60^{\circ}W.$

Asc.

20.00 Top of ridge, 200 ft. above hollow, bears E. and W.

Desc. over ledges.

29.00 Bottom of hollow, 100 ft. below ridge, course W.

Leave ledges, bears E. and W.

Asc.

31.50 Foot of perpendicular ledge, 40 ft. high, bears E. and W.

31.75 Top of ridge, 150 ft. above hollow, bears E. and W.

Desc.

40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

A cedar limb, 4 ins. dia., bears N. $8^{\circ}E.$, 69 lks. dist. mkd. $\frac{1}{4}$ S 34 B.T.

A cedar, 6 ins. dia., bears S. $14^{\circ}W.$, 41 lks. dist. mkd. $\frac{1}{4}$ S 33 B.T.

45.00 Bottom of hollow, 400 ft. below ridge, course NW.

Asc.

52.00 Top of rocky spur, 80 ft. above hollow, bears NW and SE.

Desc.

56.75 Bottom of hollow, 60 ft. below spur, course NW.

Subdivision of T.3 N., R.20 E.-Continued.

Chains	Asc.
59.00	Top of ridge, 50 ft. above hollow, bears N. 50° W. and S. 50° E.
	Desc.
78.00	Bottom of hollow, 300 ft. below ridge, course W.
	Asc.
80.00	Set a sandstone, 20x12x7 ins., on solid rock in mound of stone, for cor. of secs. 27, 28, 33, and 34, mkd. with 1 notch on S. and 3 notches on E. edges; from which
	A cedar, 8 ins. dia., bears N. 29° 50' E., 143
	lks. dist., mkd. T 3 N R 20 E S 27 B T.
	A cedar, 5 ins. dia., bears S. 32° 50' E., 97
	lks. dist., mkd. T 3 N R 20 E S 34 B T.
	A cedar, 5 ins. dia., bears S. 17° 25' W., 25
	lks. dist., mkd. T 3 N R 20 E S 33 B T.
	A cedar, 10 ins. dia., bears N. 8° 10' W., 159
	lks. dist., mkd. T 3 N R 20 E S 28 B T.
	Land, mountainous
	Soil, gravelly and rocky; 3rd and 4th rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous land, or heavily timbered land, 80.00 chs.
	East, on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 26, 27, 34, and 35.
	Thence I run
	N. 89° 57' W., on a true line bet. secs. 27 and 34.
	Over mountainous land; through scattering timber and dense undergrowth.
	Desc.
4.00	Bottom of hollow, 10 ft. below sec. cor., course N. 60° E.
	Asc.

Subdivision of T.3 N., R.20 E.-Continued.

Chains

- 7.00 Old wood road, bears N. 60° E. and SW.,
- 30.00 Top of ridge, 50 ft. above sec. cor., bears N. and S.
Asc. gradually along side of reef of ledge.
- 39.98 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for
¼ sec. cor. mkd. ¼ on N. face; from which
 A cedar, 12 ins. dia., bears N. 49° 30' W., 29
 lks. dist. mkd. ½ S 27 B T.
 A cedar limb, 8 ins. dia., bears S. 21° 15' W.,
 67 lks. dist. mkd. ¼ S 34 B T.
- 47.00 Top of ledge, 40 ft. high, bears N. 60° E. and S. 60° W.
- 48.00 Same ledge, bears N. 80° W. and S. 60° E.
Desc. over ledges and boulders.
- 79.96 The cor. of secs. 27, 28, 33, and 34.
Land, mountainous.
Soil, sandy and rocky; 2nd and 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth,
79.96 chs.
-
- West, on a random line bet. secs. 28 and 33.
- 40.00 Set temp. ¼ sec. cor.
- 76.48 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
28, 29, 32, and 33, heretofore described.
Thence I run
 S. 89° 59' E., on a true line bet. secs. 28 and 33.
Over rolling ground, through dense sage brush.
Asc. gradually.
- 10.00 Begin ascent of mountain, bears NE and SW.
Enter scattering timber, bears NE and S W.
- 36.48 Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for

Subdivision of T.3 N., R.20 E.-Continued.

Chains	<p>$\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on N. face; from which</p> <p>A cedar, 8 ins. dia., bears N. 46° W., 275 lks. dist. mkd. $\frac{1}{4}$ S 28 B T.</p> <p>A cedar, 10 ins. dia., bears S. 84° W., 189 lks. dist. mkd. $\frac{1}{4}$ S 33 B T.</p>
61.50	Top of ridge, 700 ft. above sec.cor., bears N. 45° E., and S. 80° W.
	Desc.
72.20	Bottom of canon, 400 ft. below ridge, course N. 20° W.
	There is a wood road in bottom of canon.
	Asc.
76.48	The cor. of secs. 27, 28, 33, and 34.
	Land, mountainous and rolling.
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 76.48 chs.
<p>Note: From connections already made I know that the line bet. secs. 27 and 28. will not intersect within limits of the cor.; of secs. 21, 22, 27, and 28, therefore I run N. $0^{\circ} 2'$ W., on a true line bet. secs. 27 and 28. Over mountainous land; through scattering timber. Asc. abruptly over ledges.</p>	
6.70	Top of ledge, 100 ft. high, bears NW and E.
7.00	Top of ridge, 700 ft. above sec.cor., bears NW and E.
	Leave ledges, bears NW and E.
	Desc.
26.40	Bottom of hollow, 800 ft. below ridge, course N. 80° W.
	Asc.

Subdivision of T.3 N. R 20 E -Continued

Chains

- 30.40 Spur, 50 ft. above hollow, bears E. and W.
Desc.
- 36.00 Foot of mountain, bears N. 70° E. and S. 70° W.
Desc. gradually over rolling ground.
- 40.00 Set a limestone, 18x12x4 ins., 12 ins. in the ground, for
1/4 sec. cor., mkd. $\frac{1}{2}$ on W. face; and raise a mound of stone,
2 ft. base, 1 1/2 ft. high, W of cor.
- 44.00 Wood road, bears N. 40° E. and S. 40° W.
- 44.50 Road to Linwood, bears N. 70° E. and S. 70° W.
- 59.75 Wash, 20 lks. wide, 8 ft. deep, course N. 70° E.
Asc.
- 62.00 Top of spur, 40 ft. above wash, bears N. 65° E. and S 65° W.
Desc. through scattering sage brush.
- 67.00 Wash, 10 lks. wide, 3 ft. deep, course N. 65° E.
Asc. gradually.
- 81.56 Intersect E. and W. line, 66 lks. S. 89° 50' E., of the cor. of
secs. 21, 22, 27, and 28, heretofore described.
Set a sandstone, 18x16x6 ins., 12 ins. in the ground, for
closing cor. of fr. cl. secs. 27 and 28, mkd. C C on S., with
3 grooves on E. and 2 grooves on S. faces; and raise a mound
of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.
Note: I destroy all marks on the cor. of secs. 22, 21, 27, and
28, which pertain to secs. 27 and 28.
Land, mountainous.
Soil, sandy loam and rocky; 2nd and 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, 81.56 chs.
August 21, 1906: At 0 h 3 m p.m., l.m.t., The sky is over-
cast and solar observations are impossible.

August 21, 1906.

~~Meanders of T. 3 N., R. 60 E.~~

Meanders of Right bank of Green river, up stream.

I begin at the meander cor. of fracl. secs. 2 and 35, on right bank of river, S. bdy. of Tp., heretofore described. August 21, 1906: At 2h3 m p.m., 1. m t., I set off $40^{\circ}57'N.$, on the lat. arc; $12^{\circ}14'N.$, on the decl. arc; and determine a meridian with the solar.

Thence I run with meander in sec. 35.

Over mountainous land; through dense undergrowth.

N. $29^{\circ}W.$, 21.60 chs. At 4.50 chs. Wash, 20 lks. wide, 3 ft deep, course N. $60^{\circ}E.$ At 21.60 chs. Bank 20 ft. high.

N. $2^{\circ}E.$ 29.10 " Bank 20 ft. high. Enter scattering timber, bears E. and W.

N. $18^{\circ}E.$ 6.50 " Bank 25 ft. high.

N. $25^{\circ}E.$ 6.70 " Bank 20 ft. high.

N. $38^{\circ}E.$ 7.50 " Bank 20 ft. high.

N. $56^{\circ}E.$, 6.00 " Bank 15 ft. high. bank well defined.

N. $61^{\circ}30'E.$ 6.40 " At 0.10 chs. The south side of brush corral. At 0.80 chs. north side of same corral. Leave timber, bears NW and SE.

N. $84^{\circ}15'E.$ 12.00 " Bank 20 ft. high. Hollow, drains South.

S. $81^{\circ}45'E.$ 12.50 " Bank 20 ft. high.

S. $68^{\circ}45'E.$, 8.00 " Bank 10 ft. above river.

S. $56^{\circ}15'E.$ 8.30 " Bank 8 ft. high.

S. $41^{\circ}15'E.$ 8.27 " To meander cor. of fracl. secs. 35 and 36.

Land, mountainous.

Soil, clay and sandy loam; 2nd rate.

Timber, cedar and pinon pine and long leaf pine.

Undergrowth, sage brush, greasewood, willows, and squaw brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

Meanders of T.3 N., R.20 E.-Continued.

132.87 chs.

August 21, 1906.

August 22, 1906: At 7 h 5 m a.m., l.m.t., I set off $40^{\circ}57'$ N., on the lat. arc; $12^{\circ}0'$ N., on the decl. arc; and determine a meridian with the solar at the meander cor. of fracl. secs. 35 and 36.

Thence I run with meanders in sec. 36.

Over mountainous land; through dense undergrowth and scattering timber.

S. 34° E. 18.40 chs. Bank 15 ft. high.

S. $45^{\circ}30'$ E. 3.70 " Bank 10 ft. high.

S. $84^{\circ}30'$ E. 10.00 " Bank 20 ft. high. Enter ledges, bears SE and NW.

S. $42^{\circ}15'$ E., 20.00 " At 10.00 chs. Ascend. At 20.00 chs. point of ledge 75 ft. above river.

S. $39^{\circ}45'$ E. 31.80 " At 1.00 chs. Desc. ledge. At 12.00 chs. leave ledges enter large boulders.

At 31.80 chs. meander cor. of fracl. secs. 1 and 36, on S. bdy. of Tp., heretofore described.

Land, mountainous.

Soil, clay and sandy loam and rocky; 2nd and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage, squaw brush and willows.

Good grass for grazing.

Mountainous land or land covered with dense undergrowth, 83.90 chs.

From the cor. of fracl. secs. 1 and 36, on S. bdy. of Tp., and left bank of Green River, I meander Green River, left bank, down stream.

Thence I run with meanders in sec. 36.

Meanders of T.3 N., R.20 E.-Continued.

Over mountainous land; through scattering timber and dense undergrowth.

N.30°W. 2.30 chs. At 1.00 chs. Enter ledges. At 2.30 chs. Point of ledge, 20 ft. above water.

N.43°15'W. 16.50 chs. Bank 20 ft. high.

N.34°W. 6.80 " On ledge 30 ft. above river.

N.47°30'W. 14.50 " At 10.00 chs. Leave ledges, bears N. and S. At 10.00 chs. Bank 10 ft. high. Mouth of hollow, course N.

N.59°W. 12.30 " Bank 10 ft. high. On steep side hill.

N.54°W. 10.80 " At 0.20 chs. Mouth of hollow, course N. At 10.80 Bank 20 ft. high. rocky.

N.50°45'W. 4.40 " To meander cor. of frac. secs. 35 and 36.

Land mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage, greasewood, willows, and squaw brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 67.60 chs.

Thence with meanders in sec. 35.

Over mountainous land; through dense undergrowth, Scattering timber south of line:

Desc. along steep side hill.

S.87°30'W. 1.84 chs. Bank 12 ft. high. Enter heavy timber, bears N. and S. bears N. and S.

N.46°30'W. 24.70 " At 4.70 chs. Leave timber, bears N. and S. At 24.70 chs. Rocky bank 10 ft. high.

N.56°15'W. 6.70 " Bank 15 ft. high.

N.68°45'W. 6.80 " Clay bank 10 ft. high.

S.89°15'W. 3.10 " Bank 8 ft. high.

S.80°30'W. 4.50 " Clay bank 8 ft. high. Bank well defined.

S.70°15'W. 7.00 " At 5.90 chs. Fence, bears N.20°W. and S.

e of 3 N R 3 E - Continued

Chains

20°E. At 7.00 chs. bank 12 ft. high.
 S. 56°W. 3.50 chs. Bank 7 ft. high. From this point the
 SW corner of A. O. Nielson's house
 bears S. 62°E 3.10 chs. dist. The center
 of an apparatus for raising water
 from Green river, by horse power, for
 domestic and irrigating purposes, bears
 N. 87°30'E. 0.60 chs. dist. The northwest
 corner of a corral bears East about
 5.00 chs. dist.
 S. 42°30'W. 8.20 " At 2.68 chs., Fence, bears N. 60°W. and S.
 60°E. This fence separates a small grain
 field from the garden. Thence across
 cultivated land. At 8.20 chs. Fence, bears
 N. 60°W. and S. 60°E. about 7.50 chs. Leave
 cultivated land and enter dense undergrowth
 growth.
 S. 28°W. 4.50 " Bank 10 ft. high.
 S. 15°W. 5.00 " Bank 10 ft. high. clay
 S. 5°W. 5.30 " Bank 8 ft. high.
 S. 3°15'E. 7.50 " Bank 8 ft. high. Undergrowth very dense.
 S. 14°E. 6.90 " At 5.90 chs. Fence, bears N. 60°W. and
 and S. 60°E. At 6.90 chs. Bank 6 ft. high.
 S. 26°E 6.00 " Bank 7 ft. high.
 S. 40°E. 17.70 " Bank 8 ft. high.
 S. 10°15'E. 10.30 " To meander cor. of frac. l. secs. 2 and 35
 on S. bdy. of Tp., heretofore described.
 Land, mountainous.
 Soil, sandy and clay loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon-pine and long leaf pine.
 Undergrowth, sage, willows, and squaw brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with
 dense undergrowth, 124.02 chs.

5-10-2 low
 2-10-2 high

Meanders of T.3 N., R.20 E.-Continued.

August 22, 1906: At this cor. I set off $17^{\circ}55'N.$, on the decl. arc; and at 0 h. 3 m p.m. i.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}57'N.$, which is the proper lat. nearly.

Meanders of small island in secs. 35 and 36 .

I commence at the meander cor. of secs. 35 and 36, on north side of island, heretofore described.

Thence I run with meanders in sec. 35.

Along rocky bank through a tangle of willows and squaw brush.

N. $35^{\circ}W.$ 1.60 chs. Bank 4 ft. high.

N. $51^{\circ}30'W.$ 17.00 chs. Bank 10 ft. high.

N. $68^{\circ}W.$ 6.20 " Bank 5 ft. high.

S. $43^{\circ}30'E.$ 3.40 chs. Gravelly bank 4 ft. high.

" Bank 11 ft. high (clay).

S. $48^{\circ}45'E.$, 7.40 " At 2.00 chs. enter rocks. At 7.40 chs. Bank 6 ft. high.

S. $64^{\circ}45'E.$ 5.70 " Bank 10 ft. high.

S. $44^{\circ}E.$ 9.95 " To meander cor. of fracl. secs. 35 and 36 on south side of island.

Land nearly level.

Soil, sandy and clay loam and rocky; 2nd and 3rd rate.

No timber.

Undergrowth, willows and squaw brush.

Land covered with dense undergrowth, 51.25 chs.

Thence in sec. 36.

Through dense willows and squaw brush.

S. $44^{\circ}E.$.45 chs. Bank 6 ft. high.

S. $49^{\circ}E.$ 1.30 " Bank 7 ft. high. rocky.

Meanders in T.3 N., R.20 E. -Continued.

North 2.15 chs. Bank 7 ft. high, gravelly.

N. 36° W., 2.20 " To meander cor. of frac. secs. 35 and 36.

Land, nearly level.

Soil, clay and gravelly loam; 2nd rate.

No timber.

Undergrowth, willows and squaw brush.

Land, covered with dense undergrowth, 6.10 chs.

August 22, 1906.

GENERAL DESCRIPTION.

This fractional townshi is extremely rough and ledgy in the southeast corner along Green river and gradually to the valley on the north. The soil is gravelly and rocky in the rough part of the township; 3rd and 4th rate, and clay loam; 2nd rate in the remainder of the township.

Green river runs through secs. 35 and 36 forming a horse-shoe bend.

A. O. Nielson has a house, corrals, and cultivated land in sec. 35; value about \$450.00.

Cedar and pinon pine timber grow abundantly all over the township, but it is scrubby and fit only for fuel.

There is no mineral in the township.

John R. Stewart

U.S. Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

.....
showing the respective capacities in which they acted:

For final affidavits see book "Z¹⁵" Tp. 2 N., R. 20 E., *Chainman*.

....., *Chainman*.

....., *Moundman*.

....., *Moundman*.

....., *Arman*.

....., *Arman*.

....., *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all
those parts or portions of the

..... of the
..... meridian, of, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

For final affidavits see book "Z¹⁵" Tp. 2 N., R. 20 E., *Chainman*.

....., *Chainman*.

....., *Moundman*.

....., *Moundman*.

....., *Arman*.

....., *Arman*.

....., *Flagman*.

described and sworn to before me this }
day of, 190 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from _____
United States Surveyor General for _____, bearing date of
_____ day of _____, 190____, I have well, faithfully, and truly, in my c
proper person, and in strict conformity with the instructions furnished by the United States Surve
General for _____, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of _____

For final affidavits see book "Z¹⁵" Tp. 2 N., R. 20 E.

_____ of the _____
 _____ meridian, in the _____ of _____, which are represented in
 foregoing field notes as having been surveyed by me, and under my direction; and I do further sole-
 swear that all the corners of said survey have been established and perpetuated in strict accordance
 the Manual of Surveying Instructions, and the special written instructions of the United States Survey
 General for _____ and in the specific manner described in the field notes, and
 the foregoing are the original field notes of such survey.

United States Deputy Surge

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190 }

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 1951

The foregoing field notes of the survey of the Subdivisional and Meander line
Township No.3 North, Range No.20 East of the Salt Lake Base and Meri-
idian, Utah,

executed by Scott P. Stewart and John R. Stewart
under their contract No. 295, dated April 30, 1906, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

United States Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General

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4-679.

BOOK A-337

12
Z.

FILED

FEB 27 1907

[Handwritten signature]

3.B.

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

of

Township No. 2 North, Range No. 21 East,

Of the Salt Lake Base and Meridian,
State of Utah.

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors

under their Contract No. 295, dated April 30, 1906.

Survey commenced August 18, 1906.

Survey completed August 19, 1906.

Aug 22.94

NAMES AND DUTIES OF ASSISTANTS.

Robert H. Sainsbury

Chainman

Andrew T. Rasmussen

Chainman

R. Bert Carter

Axman

David M. Armstrong

Axman

George W. Worthen Jr.

Moundman

Erasmus Borgquist

Moundman

Roger W. Jessup

Chainman

For preliminary affidavits see book #0 T. 1 N., R. 23 E.

BOOK A-337

INDEX DIAGRAM.

Township 2 North, Range 21 East

2	0	5	4	3	2	1
4	7	8	9	10	11	12
6	18	17	16	15	14	13
8	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

Meanders Page

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same;
we will report the true distances to all notable objects, and the true lengths of all lines that we as-
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surv.

_____, Chain.
_____, Chain.

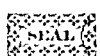
Subscribed and sworn to before me this _____ }
day of _____, 190 }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establish-
of corners, according to the instructions given us, to the best of our skill and ability, in the surv

_____, Mound.
_____, Mound.

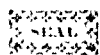
Subscribed and sworn to before me this _____ }
day of _____, 190 }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of co
and other duties, according to instructions given us, to the best of our skill and ability, in the surv

_____, Ax.
_____, Ax.

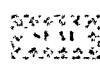
Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and
perform the duties of flagman according to instructions given me, to the best of my skill and ability, i
survey of _____

_____, Flag

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Boundary of T 2 N R 21 E

Survey commenced August 18, 1906, and executed with a Young and Sons light mountain transit, with solar attachment.

The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, on June 1, 1906.

To examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of Tps. 2 and 3 N., Rs. 20 and 21 E., heretofore described, latitude $40^{\circ}56'30''$ N., longitude $109^{\circ}36'31''$ W., I set off $40^{\circ}57'N.$, on the lat. arc; $13^{\circ}11'N.$, on the decl. arc; and at 5 h 4 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 9 h 44 m p.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual, and mark a point in the line thus determined, on a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 18, 1906.

August 19, 1906: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.44 ins. east of the mark determined with the solar.

At 7 h 4 m a.m., l.m.t., I set off $40^{\circ}57'N.$, on the lat.

West bdy T 2 . R 21 E -Continued

arc; $13^{\circ}00'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.37 ins east of the meridian established by Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0^{\circ}23''$ west and $0^{\circ}19''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., l.m.t., is $N.16^{\circ}45'W.$, the angle thus determined gives the mag. decl. $16^{\circ}45'E.$

Thence I run

South, on true line along W. bdy. of Tp., bet. secs. 1 and 6.
Over mountainous land; through scattering timber.
Asc.

1.90 Top of ridge, 25 ft. above Tp. cor., bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$

Enter heavy timber, bears with ridge.

Desc.

22.00 Enter a series of sandstone ledges, from 20 ft. to 150 ft. high, bears $N.60^{\circ}W.$ and $S.60^{\circ}E.$

28.53 Right bank of Green River.

Point for cor. falls on ledge of sandstone, the south face of which only is exposed, therefore I cut a cross at the exact point for meander cor. of fracl. Tps. 2 N., Rs. 20 and 21 E., above the cross I mark T 2 N; below the cross I mark M C; east of the cross I mark R 21 E S 6 with 6 grooves; west of the cross I mark R 20 E S 1; from which

A red cedar, 14 ins. dia., bears $N.50^{\circ}W.$, 13 lks. dist. mkd. T 2 N R 20 E S 1 M C B T.

West bdy. T.2 N., R.21 E.-Continued.

Chains

No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

To determine the distance across the river I set a flag on line on left bank of river and measure a base N. 87° E., 4.64 chs. to a point from which the flag bears S. $46^{\circ} 58'$ W., and from the flag on left bank of river the east end of base bears N. $46^{\circ} 58'$ E., the distance across the river is therefore;

$$\frac{\text{base} \times \sin 40^{\circ} 02'}{\sin 46^{\circ} 58'} = 4.08 \text{ chs. which added}$$

to 28.53 chs. makes

32.61 Left bank of Green River.

Set a sandstone, $18 \times 16 \times 8$ ins., 12 ins. in the ground, for meander cor. of frac. secs. 1 and 6, mkd. M C on N., T 2 N on S., R 21 E S 6 on E., R 20 E S 1 on W., with 6 grooves on E. faces; from which

A boxelder, 9 ins. dia., bears S. 58° E., 43

lks. dist., mkd. T 2 N R 21 E S 6 M C B T.

A boxelder, 9 ins. dia., bears S. 1° W., 22

lks. dist., mkd. T 2 N R 20 E S 1 M C B T.

Asc. abruptly over ledges and through scattering boxelder timber and dense undergrowth.

33.50 Leave timber, bears E. and W.

39.56 Foot of perpendicular cliff 150 ft. high, bears E. and W.

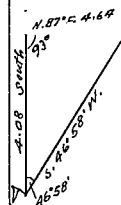
Note: It will be impossible to perpetuate the cor. at the 40.00 chs. point on account of this ledge, therefore at this Point 1

Mark a cross at the exact point for witness cor. to $\frac{1}{4}$ sec. cor., at foot of ledge, with $\frac{1}{4}$ on N. face;

from which

A red pine, 10 ins. dia., bears E., 23 lks. dist., mkd. $\frac{1}{4}$ S 6 W C B T.

A red pine, 12 ins. dia., bears N. 55° W., 40 lks. dist., mkd. $\frac{1}{4}$ S 1 W C B T.



West Bdy. T. 2 N R 21 E -Continued.

Chains

- 40.00 Falls on perpendicular ledge.
- 42.00 Top of perpendicular ledge, 200 ft. high, bears NE and SW.
Desc.
- 45.00 Bottom of hollow, 250 ft. below ledge, course N. 60° E.
Asc. over ledges .
- 52.60 Top of perpendicular ledge, 50 ft. high, bears NE and SW.
Leave ledges, bears NE and SW.
Continue ascent .
- 54.00 Enter heavy timber and leave undergrowth, bears NE and SW.
- 76.00 Top of ridge, 1500 ft. above river, bears E. and W.
Desc. over ledges.
- 80.00 Set a limestone, 20x14x10 ins., 15 ins. in the ground, for
cor. of secs. 1, 6, 7, and 12, mkd. with 1 notch on N., and 5
notches on S. edges; from which
- A red pine, 11 ins. dia., bears N. 53° E., 23
lks. dist. mkd. T 2 N R 21 E S 6 B T.
- A red pine, 14 ins. dia., bears S. 28° E., 11
lks. dist. mkd. T 2 N R 21 E S 7 B T.
- A red pine, 8 ins. dia., bears S. 40° W., 46
lks. dist. mkd. T 2 N R 20 E S 12 B T.
- A red pine, 7 ins. dia., bears N. 60° W., 33
lks. dist. mkd. T 2 N R 20 E S 1 B T.
- Land, mountainous .
- Soil, gravelly and rocky; 3rd and 4th rate.
- Timber, cedar, pinon pine, red pine, and boxelder.
- Undergrowth, sage, and buck brush.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

South, bet. secs. 7 and 12.

West Bdy. T.2 N., R.21 E., -Continued.

Chains

Over mountainous land; through heavy timber.

Desc. over ledges.

3.70 Top of ledge, 150 ft. high, bears E. and W.

Leave heavy and enter scattering timber, bears E. and W.

7.60 Bottom of hollow, 250 ft. below sec. cor., course S. 40° E.

Asc.

10.50 Top of spur, 150 ft. above hollow, bears NW and SE.

Desc.

19.00 Leave ledges, bears NE and SW.

25.00 Bottom of hollow, 500 ft. below spur, course SW.

Asc.

33.50 Top of spur, 100 ft. above hollow, bears NE and SW.

Desc.

37.80 Bottom of hollow, 150 ft. below spur, course W.

Asc.

40.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for

1/4 sec. cor. mkd. 1/2 on W. face; from which

A cedar, 7 ins. dia., bears N. 33° E., 134 lks.

dist. mkd. 1/2 S 7 B T.

A cedar, 11 ins. dia., bears N. 11° W., 40

lks. dist. mkd. 1/4 S 12 B T.

41.50 Top of spur, 150 ft. above hollow, bears E. and W.

Desc.

43.00 Bottom of hollow, 40 ft. below spur, course W.

Asc.

45.50 Top of spur, 40 ft. above hollow, bears E. and W.

Desc.

47.80 Bottom of hollow, 40 ft. below spur, course N. 70° W.

Asc.

52.00 Enter heavy timber, bears E. and W;

57.00 Top of spur, 100 ft. above hollow, bears E. and W.

Desc.

60.75 Bottom of hollow, 100 ft. below spur, course W.

Asc.

West bdy. T. 2 N., R. 21 E. - Continued.

Chains

63.10 Top of spur, 150 ft. above hollow, bears E. and W.

Desc.

68.50 Bottom of hollow, 250 ft. below spur, course W.

Asc.

80.00 Seta sandstone, 14x12x12 ins., 9 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, mkd. with 2 notches on N. and 4 notches on S. edges; from which

A cedar, 4 ins. dia., bears N. 56° E., 25 lks.

dist..mkd. T 2 N R 21 E S 7 B T.

A cedar, 10 ins. dia., bears S. 58° E., 35 lks.

dist..mkd. T 2 N R 21 E S 18 B T.

A cedar, 7 ins. dia., bears S. 20° W., 15 lks.

dist..mkd. T 2 N R 20 E S 13 B T.

A cedar, 12 ins. dia. bears N. 47° W., 22 lks.

dist..mkd. T 2 N R 20 E S 12 B T.

Land, mountainous .

Soil, gravelly and rocky; 2nd and 4th rate.

Timber, pine and cedar.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

August 19, 1906: At 0 h 4 m p.m., l.m.t., the sky is overcast and solar observations are impossible.

South, bet. secs. 13 and 18.

Over mountainous land; through heavy timber.

Asc.

15.40 Top of spur, 150 ft. above sec. cor., bears E. and W.

Desc.

31.50 Bottom of hollow, 400 ft. below spur, course W.

Asc.

36.00 Top of spur, 100 ft. above hollow, bears E. and W.

West bdy. T. 2 N., R. 21 E. -Continued.

Chains	Desc.	
40.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec. cor. mkd. $\frac{1}{4}$ on W. face; from which	
	A cedar, 16 ins. dia., bears N. 78° E., 26 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.	
	A pinon pine, 4 ins. dia., bears N. 72° W., 15 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.	
40.10	Bottom of hollow, 100 ft. below spur, course W.	
	Asc.	
61.00	Top of spur, 350 ft. above hollow, bears N. 80° W. and S. 80° E.	
	Desc.	
62.00	Begin abrupt descent over ledges, bears N. 80° W. and S. 80° E.	
79.25	Bottom of hollow, 600 ft. below spur, course S. 70° W.	
	Asc.	
80.00	Set a sandstone, 24x16x10 ins., 18 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, mkd. with 3 notches on N. and 3 notches on S. edges; from which	
	A cedar, 4 ins. dia., bears N. 45° E., 15 lks. dist., mkd. T 2 N R 21 E S 18 B T.	
	A cedar, 6 ins. dia., bears S. 36° E., 16 lks. dist., mkd. T 2 N R 21 E S 19 B T.	
	A cedar, 16 ins. dia., bears S. 67° W., 34 lks. dist., mkd. T 2 N R 20 E S 24 B T.	
	A cedar, 16 ins. dia., bears S. 39° W., 24 lks. dist., mkd. T 2 N R 20 E S 13 B T.	
	Land, mountainous .	
	Soil, gravelly and rocky; 3rd and 4th rate.	
	Timber, cedar and pinon pine.	
	Good grass for grazing.	
	Mountainous or heavily timbered land, 80.00 chs.	

West bdy 2 N R 21 E -Continued

Chains

South, bet. secs. 19 and 24.

Over mountainous land, through heavy timber.

Asc.

6.00 Top of spur, 60 ft. above sec. cor., bears E. and W.

Desc.

Leave heavy and enter scattering timber, bears E. and W.

10.00 Foot of descent, 200 ft. below spur, bears N. 60° W. and S.
60° E.

Enter river bottom.

Enter dense sage brush.

Descend gradually.

19.00 Enter heavy timber, bears NW and SE.

23.94 The left bank of Green River .

Set a sandstone, 18x14x8 ins., 12 ins. in the ground, for
meander cor. of Fract. Tps. 2 N., R. 20 and 21 E., mkd.M C on S., T 2 N., on N.; R 21 E S 19 on E., R 20 E S 24
on W., with 6 grooves on E. faces; from whichA red pine, 8 ins. dia., bears N. 8° E., 47 lks.
dist., mkd. T 2 N R 21 E S 19 M C B T.A red pine, 9 ins. dia., bears N. 12° W., 52 lks.
dist., mkd. T 2 N R 20 E S 24 M C B T.

Land, mountainous .

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Undergrowth, sage brush.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 23.94 chs.

August 19, 1906.

West bdy.T.2 N.,R.21 E.-Concluded.

BOUNDARIES OF T.2 N.,R.21 E.

Latitudes ,departures, and closing errors.

Line designated	Course	.dist- ance chs.	Latitudes		Departures	
			N.	S.	E.	W.
W.bdy.T.2 N.,R.21 E.	North	240.00	240.00			
N.bdy.T.2 N.,R.21 E.	East	493.93			493.93	
E.bdy.T.2 N.,R.21 E.	South	80.00		80.00		
S.bdy. sec. 1 in T.2 N.,R.21 E.	West	80.24				80.24
W.bdy. sec. 12 in T.2 N.,R.21 E.	S. 0° 01' E.	80.00		80.00	.02	
S.bdy. sec. 11 in T.2 N.,R.21 E.	West	80.00				80.00
S.bdy. sec. 10 in T.2 N.,R.21 E.	West	79.98				79.98
E.bdy. sec. 16 in T.2 N.,R.21 E.	S. 0° 2' E.	80.00		80.00	.65	
S.bdy. sec. 16 in T.2 N.,R.21 E.	N. 89° 56' W.	80.02	.10			80.02
S.bdy. sec. 17 in T.2 N.,R.21 E.	N. 89° 55' W.	80.00	.12			80.00
S. bdy. sec. 18 in T.2 N.,R.21 E.	S. 89° 56' W.	95.00		.11		95.00
Convergency					.26	
			240.22	240.11	494.26	495.24
			240.11			494.26
Error in lat. and dep.			.11			.98

GENERAL DESCRIPTION.

This fractional township is very rough and ledgy along the west and south tier of sections and rolling mountains along the central part. It is well watered and well timbered, and should be subdivided.



August 19, 1906.

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Scott H. Stewart

_____, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of the N. ldy. T. 1 N. R. 23 E. and S. and W. ldy. T. 3 N. R. 21 E. and S. and W. ldy. T. 2 N. R. 22 E.; W. ldy. T. 2 N. R. 21 E. of Salt Lake Base and Meridian, Utah.

giving the respective capacities in which they acted:

Robert H. Sainsbury _____, Chainman.Andrew T. Rasmussen _____, Chainman.George W. Worthen Jr. _____, Moundman.Erasmus Borgquist _____, Moundman.David M. Armstrong _____, Axman.R. Bert Carter _____, Axman.Roger W. Jessup _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott H. Stewart

_____, United States Deputy Surveyor, in surveying all

those parts or portions of the N. ldy. T. 1 N. R. 23 E. and T. 2 N. R. 23 E.; N. and W. ldy. T. 2 N. R. 22 E.; W. ldy. T. 2 N. R. 21 E. and S. and W. ldy. T. 3 N. R. 21 E._____ of the Salt Lake Base and Meridian, State of Utah, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

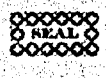
General for UtahRobert H. Sainsbury _____, Chainman.Andrew T. Rasmussen _____, Chainman.R. Bert Carter _____, Axman.George W. Worthen Jr. _____, Moundman.Erasmus Borgquist _____, Moundman.David M. Armstrong _____, Axman.Roger W. Jessup _____, Flagman.Subscribed and sworn to before me this 28thday of August, 1906.
Scott H. Stewart
 U.S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Scott P. Stewart and John R. Stewart United States Deputy Surveyors
solemnly swear that, in pursuance of a contract received from Thomas A. Hill
United States Surveyor General for Utah, bearing date of
30th day of April, 1906, I have well, faithfully, and truly, in the
proper person and in strict conformity with the instructions furnished by the United States Surveyor
General for Utah, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of the N. ldy. T. 1 N. R. 23 E. and T. 2 N. R. 23 E.; N. and W. ldy. T. 2 N. R. 23 E.; W. ldy. T. 2 N. R. 21 E. and S. and W. ldy. T. 3 N. R. 21 E.

_____ of the Salt Lake
Base and meridian, in the State of Utah, which are represented in
in books 0., 1., 2., 3., and 4. of Utah, and under my direction; and I do further solemnly
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for Utah and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

Scott P. Stewart
and
John R. Stewart
Subscribed by said _____, and sworn to before me)
this 27th day of Feb, 1907
Thomas A. Hill
U.S. Surveyor-General



APPROVAL.

for Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 1907

The foregoing field notes of the survey of the West Boundary Township No. 22 N. North, Range No. 21 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and John R. Stewart
under contract No. 295, dated April 30, 1906, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Thomas A. Hill
United States Surveyor-General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
has been correctly copied from the original notes on file in this office

United States Surveyor-General

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BOOK A-337

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION AND MEANDER LINES

of

Township No. 2 North, No. 20 East,

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Scott P. Stewart and John R. Stewart, United States Deputy Surveyors
 their
 under Contract No. 295, dated April 30, 1906, 1906
 survey commenced August 22, 1906, 1906
 survey completed August 24, 1906, 1906

Leigh 2.71.64 ✓
 Clay 27.15 ✓
 Meander } 5-67-87 ✓
 Leigh }

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JAN 12 1907

NAMES AND DUTIES OF ASSISTANTS.

Harvey Fletcher

Chainman

Leo A Snow

Chainman

Paul Ashworth

Moundman

Quinby Stewart

Moundman

Alden Oscar Ghedhill

Axman

John W. Pickering

Axman

John R. Llewellyn

Flagman

For preliminary affidavits see book "C" Tp. 4 S.. R. 20 E

Volume
#
R0337

BOOK A-337

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Meanders Pages 9 to 15

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Subdivision of T 2 N. R. 30 E. - (continued)

Chains Survey commenced August 22, 1906, and executed with a Young and Sons light mountain transit, with solar attachment.

The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on June 1, 1906.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparings its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows: At the cor. of secs. 1, 2, 35, and 36, on N. bdy. of Tp., heretofore described, latitude $40^{\circ}56'30''N.$, longitude $109^{\circ}37'39''W.$, I set off $40^{\circ}57'N.$, on the lat. arc; $11^{\circ}52'N.$, on the decl. arc; and at 5 h 3 m p.m., l.m.t., I determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 9 h 28 m p.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual, and mark a point in the line thus determine, on a wooden plug set in the ground, 5.00 chs. N. of the cor,

August 22, 1906.

August 23, 1906. At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.32 ins. east of the meridian determined by the solar.

At 7 h 3 m a.m., l.m.t., I set off $40^{\circ}57'N.$, on the lat. arc; $11^{\circ}40'N.$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00

Subdivision of T 3 N. R. 20 E. -Continued.

Chainschs.N.of the cor.;this mark falls 0.39 ins.east of the meridian established by Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about $0^{\circ}17'$ west and $0^{\circ}21'$ east of the meridian established by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m.,l.m.t.,is $N.16^{\circ}45'W.$,the angle thus determined gives the mag.decl. $16^{\circ}45'E.$

Thence I run

$S.0^{\circ}1'E.$,bet.secs.1 and 2.

Over mountainous land;through scattering sage brush.

Asc.

15.00 Top of ridge,50 ft.above sec.cor.,bears $N.30^{\circ}W.$ and $S.30^{\circ}E.$

Continued ascent.

25.33 Top of ridge,50 ft.above last ridge,bears $N.50^{\circ}E.$ and $S.50^{\circ}W.$

Desc.

31.40 Bottom of hollow,100 ft.below ridge,ridge,course $S.60^{\circ}W.$

Asc. through scattering timber.

40.00 Set a limestone,18x10x7 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on W.face;from which

A cedar,7 ins.dia.,bears $S.71^{\circ}E.$,54 lks.

dist..mkd. $\frac{1}{4}$ S 1 B T.

A cedar,8 ins.dia.,bears $N.85^{\circ}W.$,105 lks.

dist..mkd. $\frac{1}{4}$ S 2 B T.

48.35 Top of spur,60 ft.above hollow,bears E.and W.

Desc.

56.00 Bottom of hollow,150 ft.below spur,course W.

Section of T 2 N R 20 E -Continued

- Chains Asc.
- 61.00 Top of spur, 60 ft. above hollow, bears N. 70° W. and S. 70° E.
Desc.
- 64.75 Rocky hollow, 75 ft. below spur, course N. 60° W.
Asc.
- 70.00 Top of ridge, 150 ft. above hollow, bears N. 60° W. and S. 60° E.
Desc. abruptly over a series of ledges and through heavy timber.
- 80.00 Set a sandstone, 18x7x6 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, mkd. with 5 notches on S., and 1 notch on E. edges; from which
- A cedar, 4 ins. dia., bears N. 4° E., 56 lks.
dist..mkd.T 2 N R 20 E S 1 B T.
- A cedar, 15 ins. dia., bears S. 11° E., 76 lks.
dist..mkd.T 2 N R 20 E S 12 B T.
- A cedar, 8 ins. dia., bears S. 27° W., 34 lks.
dist..mkd.T 2 N R 20 E S 11 B T.
- A cedar, 9 ins. dia., bears N. 23° W., 19 lks.
dist..mkd.T 2 N R 20 E S 2 B T.
- Land, mountainous.
- Soil, gravelly and rocky; 3rd and 4th rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.

East, on arandom line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.24 Intersect E. bdy. of Tp., 9.05 chs. South of the cor. of secs. 1, 6, 7, and 12, heretofore described.

Set a sandstone, 14x12x5 ins., 9 ins. in the ground, for closing cor. of fracl. secs. 1 and 12, mkd. C C on W., with 1 groove on N. and 5 grooves on S. faces; from which

Subdivision of T 2 N R 20 E -Continued

Chains	<p>A pinon pine, 10 ins. dia., bears N. 29° W., 25 lks. dist. mkd. T 2 N R 20 E S 1 B T.</p> <p>A pinon pine, 6 ins. dia., bears S. 33° W., 83 lks. dist. mkd. T 2 N R 20 E S 12 B T.</p> <p>Note: I destroy all marks on the cor. of secs. 1, 6, 7, and 12 which pertain to secs. 1 and 12.</p> <p>Thence I run</p> <p>West, on a true line bet. secs. 1 and 12.</p> <p>Over Mountainous land; through heavy timber,</p> <p>Asc.</p>
2.50	<p>Top of ridge, 25 ft. above sec. cor., bears NW and SE.</p> <p>Continue ascent over ledges.</p>
27.50	<p>Top of Grindstone ridge, 100 ft. above last ridge, bears N. 70° E. and S. 70° W.</p> <p>Desc. over ledges.</p>
40.12	<p>A red pine, 7 ins. dia., for $\frac{1}{4}$ sec. cor., I mark $\frac{1}{4}$ S 1 on N., S 12 on S. faces; from which</p> <p>A pinon pine, 7 ins. dia., bears N. 23° 30' W., 67 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.</p> <p>A red pine, 12 ins. dia., bears S. 51° 30' W., 50 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.</p>
50.00	<p>Bottom of hollow, 300 ft. below ridge, course N. 60° W.</p> <p>Asc.</p>
65.25	<p>Top of ridge, 60 ft. above hollow, bears N. 60° W. and S. 60° E.</p> <p>Desc.</p>
75.00	<p>Leave heavy and enter scattering timber, bears N. and S.</p>
80.24	<p>The cor. of secs. 1, 2, 11, and 12.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber cedar and pinon pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.24 chs.</p>

Subdivision of T 2 N R 20 E - Continued

Chains

Note: The line bet. secs. 2 and 11 will intersect the Green River therefore I run

West, on a true line bet. secs. 2 and 11.

Over mountainous land; through heavy timber.

Desc. over ledges.

15.00 Left bank of Green River. 500 ft. below sec. cor.

Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for meander cor. of frac. secs. 2 and 11, mkd. MC on W., with 5 grooves on S. faces; from which

A cedar, 6 ins. dia., bears N. 50° E., 35 lks.
dist. mkd. T 2 N R 20 E S 2 M C B T.

A cedar, 10 ins. dia., bears S. 70° E., 55 lks.
dist. mkd. T 2 N R 20 E S 11 M C B T.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 15.00 chs.

The line bet. secs. 11 and 12 will intersect the river therefore I run

S. 0° 1' E., on a true line bet. secs. 11 and 12.

Over mountainous land; through heavy timber.

Desc. over ledges.

21.00 Bottom of ledgy canon, 400 ft. below sec. cor., course W.

Asc. over ledges.

40.00 Top of Grindstone ridge, 1000 ft. above hollow, bears N. 70° E. and S. 70° W.

Point for $\frac{1}{4}$ sec. cor. falls on stationary sandstone ledge, on which I cut a cross (X) at the exact cor. point for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

A red pine, 10 ins. dia., bears S. 65° E., 47

Subdivisi. of T 2 N R 20 E - Cont. of

Chains

dist..mkd.. $\frac{1}{4}$ S 12 B T.

A red pine, 10 ins. dia., bears S. 17° W., 21 lks.

dist..mkd.. $\frac{1}{4}$ S 11 B T.

Desc. abruptly over ledges from 10 ft. to 100 ft. high.

Leave heavy and enter scattering timber, bears with ridge.

44.00 Enter heavy timber, bears E. and W.

50.00 Leave ledges, bears N. 70° E. and S. 70° W.

59.00 Leave timber, bears NE and SW.

Begin more gradual descent, bears N. 70° E. and S. 70° W.

64.00 Left bank of Green river.

Point 1200 ft. below ridge.

Set a limestone, 18x12x5 ins., 12 ins. in the ground, for meander cor. of fracl. secs. 11 and 12, mkd. M C on S., with 1 groove on E. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 64.00 chs..

August 23rd, 1906: At 0 h 3 m 9 s p.m., l.m.t., The sky is overcast and solar observations are impossible.

From the cor. of secs. 7, 12, 13, and 18, on E. bdy. of Tp.,

I measure south along bdy., a distance of

9.05 Where I set a sandstone, 18x9x4 ins., 12 ins. in the ground, for closing cor. of fracl. secs. 12 and 13, mkd. C C on W., with 2 grooves on N. and 4 grooves on S. face; from which

A cedar, 5 ins. dia., bears N. 41° W., 48 lks.

dist..mkd. T 2 N R 20 E S 12 B T.

A pinon pine, 4 ins. dia., bears S. 30° W., 16

lks. dist..mkd. T 2 N R 20 E S 13 B T.

Subdivision of T.2 N., R.20 E.-Continued.

Chains Note: I destroy all marks on the cor. of secs. 7, 12, 13, and 18, which pertain to secs. 12 and 13.

Thence I run

West, on a true line bet. secs. 12 and 13,

Over mountainous land; through heavy timber.

Desc. along N. side of long spur.

29.00 Begin more abrupt descent, bears N. 15° E. and S. 15° W.

40.00 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A cedar, 8 ins. dia., bears N. 44° E., 7 lks.
dist. mkd. $\frac{1}{4}$ S 12 B T.

A cedar, 12 ins. dia., bears S. 38° E., 6 lks.
dist. mkd. $\frac{1}{4}$ S 13 B T.

45.00 Foot of abrupt descent, bears N. 20° W. and S. 20° E., 800 ft. below sec. cor.

Leave heavy timber and enter scattering timber and dense undergrowth, bears N. 20° W. and S. 20° E.

Desc. more gradually.

64.10 Left bank of Green River.

Set a sandstone, 18x13x5 ins., 12 ins. in the ground, for meander cor. of frac. 1, secs. 12 and 13, mkd. M C on W., with 4 grooves on S. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft high, E. of cor.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, pinon pine and cedar.

Undergrowth, sage brush and greasewood.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 64.10 chs.

Subdivision of T 2 N R 20 E S 13 & 24

Chains From the cor. of secs. 13, 18, 19, and 24, on E. bdy. of Tp., heretofore described . . .

I measure South along bdy. 9.05 chs. where I

Set a sandstone, 18x8x7 ins., 12 ins. in the ground, for closing cor. of fracl. secs. 13 and 24, mkd. C C on W., with 3 grooves on N., and S. faces; from which

A cedar, 16 ins. dia., bears N. 25° W., 50 lks.

dist. mkd. T 2 N R 20 E S 13 B T.

A cedar, 3 ins. dia., bears S. 80° W., 43 lks.

dist. mkd. T 2 N R 20 E S 24 B T.

Note: I destroy all marks on the cor. of secs. 13, 18, 19, and 24, which pertain to secs. 13 and 24.

Thence I run

West, on a true line bet. secs. 13 and 24.

Over mountainous land; through scattering timber.

Desc.

8.30 Left bank of Green river.

Set a sandstone, 22x14x6 ins., 16 ins. in the ground, for meander cor. of fracl. secs. 13 and 24, mkd. M C on W., with 3 grooves on S. faces; from which

A cottonwood, 12 ins. dia., bears N. 24° W.

70 lks. dist. mkd. T 2 N R 20 E S 13 M C B T.

A cottonwood, 16 ins. dia., bears S. 50° E. 73

lks. dist. mkd. T 2 N R 20 E S 24 M C B T

Land, mountainous

Soil, gravelly; 3rd rate.

Timber, cedar, pinon pine and cottonwood (the latter along the banks of Green River)

Good grass for grazing.

Mountainous land; 8.30 chs.

August 23, 1906.

Meanders of T 2 N .R 20 E

Meanders of Left Bank of Green River, Up Stream.

I begin at the meander cor. of fracl. secs. 19 and 24, on E. bdy. of Tp., left bank of river, heretofore described.

August 23, 1906: At 3 h 3 m p.m., l.m.t., I set off $40^{\circ}54'N$. on the lat. arc $11^{\circ}33'N$, on the decl. arc; and determine a meridian with the solar, at the above described cor.

Thence I run with meanders in sec. 24.

Over mountainous land; through scattering timber and scattering willows and sage brush.

N. $37^{\circ}45'W$. 1.50 chs. Bank 10 ft. high.

N. $7^{\circ}45'W$. 6.70 " Bank 10 ft. high.

N. $42^{\circ}15'W$. 9.60 " To meander cor. of fracl. secs. 13 and 24.

Land, mountainous.

Soil, gravelly; 3rd rate

Timber, cedar, pinon pine, and cottonwood.

Undergrowth, willows and sage brush.

Good grass for grazing.

Mountainous land, 17.80 chs.

Thence in sec. 13.

Over mountainous land; through scattering timber and scattering undergrowth.

N. $40^{\circ}30'W$, 1.20 chs. Bank 6 ft. high.

N. $37^{\circ}30'W$, 8.40 " Bank 6 ft. high.

N. $78^{\circ}W$. 4.30 " Bank 10 ft. high.

S. $35^{\circ}30'W$. 6.00 "

West 2.10 W

N. $48^{\circ}W$. 3.30 " Bank 8 ft. high.

N. $60^{\circ}W$. 7.10 " Bank 9 ft. high.

N. $22^{\circ}30'W$. 3.70 " Bank 8 ft. high. Thence over rocks.

N. $9^{\circ}45'W$. 14.30 " At 1.75 chs. ledge 75 ft. high, bears

Meanders of T.2 N., R.20 E. - Contin

N.10°W. and S.10°E. Thence along
ledge. At 5.00 chs. leave ledge,
bears N.30°E. and S.30°W. At 14.30
chs. Bank 5 ft. high.

N.29°W. 8.80 chs. Bank 6 ft. high. Enter dense willows
and squaw brush. Leave rocks.

N.42°W., 4.40 " Bank 10 ft. high.

N.15°W., 4.60 " Bank 6 ft. high.

N.4°W. 26.30 " At 9.00 chs. Mouth of hollow, course
S.80°W. At 21.50 chs. Rocky point,
bears N.70°E. and S.70°W. Desc.

N.64°W. 14.00 " Bank 7 ft. high.

N.41°45'W., 7.41 " To meander cor. of fracl. secs. 12 and
13.

Land, mountainous.

Soil, sandy and clay loam and rocky; 2nd and 4th rate.

Timber, cedar and pinon pine and cottonwood.

Undergrowth, sage brush, willows and squaw brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
115.91 chs.

August 23, 1906.

August 24, 1906: At 7 h 2 m a.m., l.m.t., I set off 40°55'
N., on the lat. arc; 18°20' N., on the decl. arc; and determine
a meridian with the solar at the meander cor. of fracl.
secs. 12 and 13.

Thence I run with meanders in sec. 12.

Over mountainous land; through scattering timber and
scattering undergrowth.

N.50°30'W. 13.20 chs. At 8.00 chs. Mouth of hollow, course
NW. At 13.20 chs. Bank 10 ft. high.

Meanders of T.2 N., R.20 E.-Continued.

Chains

Thence over boulders.

N.18°W. 5.80 chs. Bank 20 ft.high.

N.50°W. 2.80 " On ledge 50 ft.high.

N.80°W. 2.24 " No meander cor.of frac1.secs.11
and 12.

Land,mountainous.

Soil,gravelly and rocky;3rd and 4th rate.

Timber,cedar,pinon pine and cottonwood.

Undergrowth,sage brush and willows.

Good grass for grazing.

Mountainous land;24.04 chs.

Thence in sec.11.

Over mountainous land;through scattering timber and
scattering undergrowth,and over rocks and boulders.

N.80°W. 9.60 chs.Bank 15ft.high.

N.55°W. 3.10 " Bank 20 ft.high on ledgy point jutting
20 ft.out into the river.West 13.20 " Bank 20 ft.high.Thence along shelf of
ledge 30 to 50 ft.above water and
forming the bank of river.N.63°W. 3.00 " Bank 40 ft.high,on shelf of ledge.
Thence descending along shelf.S.81°45'W.29.10 " At 27.00 chs.Foot of ledge,bears E.and
W.Thence along bank which is from 8
ft.to 14 ft.high. At 29.10 chs.Bank
9 ft.high.N.67°W. 2.20 " Bank 12 ft.high.From this point the
north end of an old cable way across
the river,now wrecked,bears West 45
lks.dist.

N.57°W. 4.20 " At 2.00 chs.Enter broken sandstone

Meanders of T.2 N., R.20 E.-Continued.

Chains			ledges, and boulders, bears N. and S. Asc.
North	1.60 chs		On boulder 20 ft. high. Thence asc. shelf of ledge the foot of which is lapped by the river.
N. 49° E.	22.30	"	On shelf of ledge, 100 ft. above river. Thence descend along shelf.
N. 63.30' E.	20.90	"	Bank 40 ft. high. Thence over ledge.
N. 76° 30' E.	9.10	"	Bank 125 ft. high on perpendicular ledge. Desc. from ledge.
N. 58° E.	3.30	"	Foot of ledge, Bank 20 ft. high.
N. 32° E.	5.30	"	Bank 10 ft. high.
N. 6° 30' E.	13.90	"	Bank 8 ft. high. Enter dense willows.
N. 25° 30' W.	8.80	"	Bank 6 ft. high.
N. 6° W.	5.00	"	To meander cor. of frac. l. secs. 2 and 11.

Land, mountainous.

Soil, clay loam and rocky; 2nd and 4th rate.

Timber, cedar, pinon pine, and cottonwood.

Undergrowth, sage brush, willows, and squaw brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
154.60 chs.

August 24, 1906: At 10 h 2 m a.m., 1 m.t., The sky is overcast and solar observations are impossible.

Thence in sec. 2.

Over mountainous land; through scattering timber.

Over rocks.

N. 31° 45' W. 12.10 chs. Bank 15 ft. high.

N. 4° W., 11.30 " On ledge, 20 ft. high.

N. 10° E. 2.70 " Bank 15 ft. high.

N. 19° W., 5.70 " Bank 12 ft. high.

Meanders of Left Bank of Green River - continued

N.5°15'W. 2.80 chs. Bank 14 ft. high.

N.29°30'W. 11.90 " Bank rocky 9 ft. high.

N.15°E. 4.20 "

N.24°30'W. 20.50 " At 17.00 chs. Mouth of hollow, course
N.60°W. At 20.50 chs. Bank 8 ft. high.
Enter dense undergrowth.

N.13°15'W. 8.00 " Bank sandy 14 ft. high.

N.7°W. 3.70 " Clay bank 7 ft. high.

N.12°W. 2.92 " To meander cor. of secs. 2 and 35, on
N. bdy. of Tp.

Land, mountainous .

Soil, sand and clay loam and rocky; 2nd and 4th rate.

Timber, pinon pine, cedar, and cottonwood.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,
85.82 chs.

Meanders of Left Bank of Green River, up Stream.

I begin at the meander cor. of frac. secs. 1 and 36, S. bdy.
of Tp., left bank of river, heretofore described.

Thence I run with meanders in sec. 1.

Over mountainous land; through scattering timber and
scattering undergrowth.

Over broken ledges .

S.46°30'E. 12.20 chs. Bank 6 ft. high.

S.52°E. 6.00 " Rocky bank 8 ft. high.

S.31°30'E. 2.80 " Rocky bank 10 ft. high.

S.62°15'E. 6.90 " Rocky bank 8 ft. high.

S.45°E. 4.70 " On ledge, 18 ft. above river.

S.66°E. 4.60 " Bank 10 ft. high.

S.68°30'E. 2.00 " To meander cor. of secs. 1 and 6, on
E. bdy. of Tp. heretofore described.

Meanders of T.2 N., R.20 E.

Land, mountainous .

Soil, gravelly ; 3rd rate.

Timber, cedar and pinon pine and long leaf pine .

Undergrowth, sage brush and willows.

Good grass for grazing.

Mountainous land, 39.20 chs.

Meanders of right bank of Green River, down stream.

I begin at the meander cor. of fracl. secs. 1 and 6, on E. bdy. of Tp., right bank of river heretofore described .

Thence I run with meanders in sec. 1.

Over mountainous land; through scattering timber.

Over broken ledges.

N. 59° 30' W. 5.50 chs. On boulder 30 ft. high.

N. 54° W. 7.00 " Bank on ledge, 30 ft. high.

N. 45° 30' W. 18.00 " To meander cor. of fracl. secs. 1 and 36
on N. bdy. of Tp. heretofore described.

Land, mountainous .

Soil, rocky ; 4th rate.

Timber, cedar and pine.

Good grass .

Mountainous land, 30.50 chs.

August 24, 1906.

GENERAL DESCRIPTION.

This fractional township is high, steep, rocky, and ledgy. There is considerable cedar and pinon pine timber in the township.

There are no settlers in the township.

There is no mineral in the township.

Meanders T.2 N., R.20 E. - Concluded

Green river forms the west bdy. of Tp., and runs through secs. 10, 11, 12, 13, and 24.

John R. Stewart

U.S. Deputy Surveyor.

August 24,, 1906.

Note:

There being no notary public, or other officer authorized to administer oaths, within a reasonable distance at the beginning or ending of the surveys executed by me under this contract; therefore, in order to save time and expense, I administer the preliminary and final oaths myself.

John R. Stewart

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

John R. Stewart

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of *the fractional subdivisions of T. 4 S. R. 20 E.; T. 5 S. R. 20 E.; T. 4 S. R. 19 E.; T. 5 S. R. 19 E.; T. 3 N. R. 23 E.; T. 3 N. R. 22 E.; subdivisions and meanders of T. 2 and 3 N. R. 20 E.; of the Salt Lake Base and Meridian Utah.*

showing the respective capacities in which they acted:

Harvey Fletcher

, Chairman.

Leo A. Snow

, Chairman.

Paul Ashworth

, Moundman.

Quincy Stewart

, Moundman.

Alden Oscar Sleethill

, Axman.

John W. Pickering

, Axman.

John R. Lowellyn

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

John R. Stewart

, United States Deputy Surveyor, in surveying all

se parts or portions of the *fractional subdivisions of T. 4 S. R. 20 E.; T. 5 S. R. 20 E.; T. 4 S. R. 19 E.; T. 5 S. R. 19 E.; T. 3 N. R. 23 E.; T. 3 N. R. 22 E.; subdivisions and meanders of T. 2 and 3 N. R. 20 E.*of the *Salt Lake Base and meridian, State of Utah*, which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

general for *Utah**Harvey Fletcher*

, Chairman.

Leo A. Snow

, Chairman.

Paul Ashworth

, Moundman.

Quincy Stewart

, Moundman.

Alden Oscar Sleethill

, Axman.

John W. Pickering

, Axman.

John R. Lowellyn

, Flagman.

described and sworn to before me this *24th*day of *August*, 190*6*
John R. Stewart
 U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Scott P. Stewart and John R. Stewart
 United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from *Thomas Hill*, United States Surveyor General for *Utah*, bearing date of the *30th* day of *April*, 1906, I have well, faithfully, and truly, in ^{my} own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for *Utah*, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of *the fractional subdivisions of T. 4 S. R. 20 E.; T. 3 S. R. 20 E.; T. 4 S. R. 19 E.; T. 5 S. R. 19 E.; T. 3 N. R. 23 E.; T. 3 N. R. 22 E. subdivisions and meanders of Tps 2 and 3 N. R. 20.* of the *Salt Lake* Base and meridian, in the *State* of *Utah*, which are represented in the foregoing field notes as having been surveyed by *me*, and under *my* direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for *Utah* and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Scott P. Stewart
 and
John R. Stewart
 United States Deputy Surveyor,
 Subscribed by said *John R. Stewart*, and sworn to before me)
 this *12th* day of *January*, 190*7*



Thomas Hill
 U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 15, 190*7*

The foregoing field notes of the survey of *the Subdivisional and Meander lines of Township No. 2 North, Range No. 20 East of the Salt Lake Base and Meridian, Utah,*

executed by *Scott P. Stewart and John R. Stewart*
 under ^{their} contract No. *295*, dated *April 30*, 1906; having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hill
 United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General